

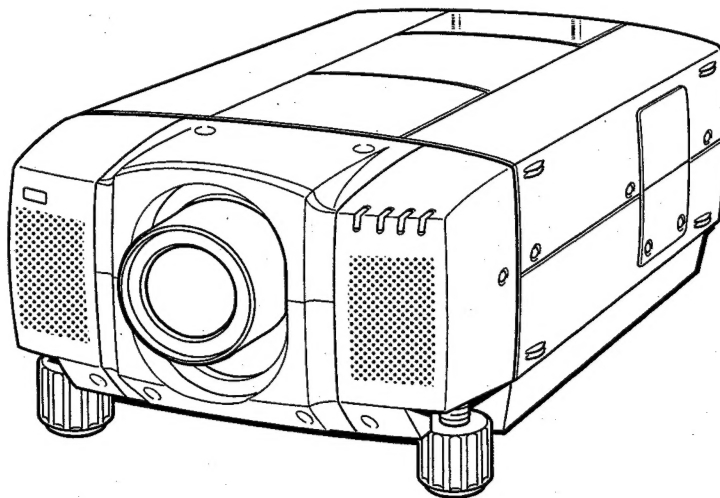
SANYO

FILE NO.

SERVICE MANUAL Multimedia Projector

Model No. **PLC-XF10E**
PLC-XF10EL
(Europe, Asia, Africa,
M.E.)
PLC-XF10B
(U.K.)

Original Version



Service Ref. No.: **PLC-XF10E-00**
PLC-XF10EL-00
PLC-XF10B-00

Give complete "Service Ref. No." for parts order or servicing, it is shown on the rating sheet on the projector.

PLC-XF10EL: Projection lens optional model.

PRODUCT CODE

(PE6A) PLC-XF10E: **1 122 072 00**
(PE6AL) PLC-XF10EL: **1 122 072 20**
(PE6C) PLC-XF10B: **1 122 072 02**

REFERENCE NO. SM5110012


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■ Safety Instructions

SAFETY PRECAUTIONS


WARNING:

The chassis of this projector is isolated (COLD) from AC line by using the converter transformer. Primary side of the converter and lamp power supply unit circuit is connected to the AC line and it is hot, which hot circuit is identified with the line () in the schematic diagram. For continued product safety and protection of personnel injury, servicing should be made with qualified personnel.

The following precautions must be observed.

- | | |
|---|---|
| <p>1: An isolation transformer should be connected in the power line between the projector and the AC line before any service is performed on the projector.</p> <p>2: Comply with all caution and safety-related notes provided on the cabinet back, cabinet bottom, inside the cabinet or on the chassis.</p> <p>3: When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as, control knobs, adjustment covers or shields, barriers, etc.</p> | <p>DO NOT OPERATE THIS PROJECTOR WITHOUT THE PROTECTIVE SHIELD IN POSITION AND PROPERLY SECURED.</p> <p>4: Before replacing the cabinet cover, thoroughly inspect the inside of the cabinet to see that no stray parts or tools have been left inside.</p> <p>Before returning any projector to the customer, the service personnel must be sure it is completely safe to operate without danger of electric shock.</p> |
|---|---|

PRODUCT SAFETY NOTICE

Product safety should be considered when a component replacement is made in any area of the projector. Components indicated by mark  in the parts list and the schematic diagram designate components in which safety can be of special significance. It is, therefore, particularly recommended that the replacement of these parts must be made by exactly the same parts.

SERVICE PERSONNEL WARNING

Eye damage may result from directly viewing the light produced by the Lamp used in this equipment. Always turn off Lamp before opening cover. The Ultraviolet radiation eye protection required during this servicing.

Never turn the power on without the lamp to avoid electric-shock or damage of the devices since the stabilizer generates high voltages(15kV - 25kV) at its starts.

Since the lamp is very high temperature during units operation replacement of the lamp should be done at least 45 minutes after the power has been turned off, to allow the lamp cool-off.

DO NOT ATTEMPT TO SERVICING THE REMOTE CONTROL UNIT.

Laser Beam may be leaked out when in disassemble the Unit. As the Laser Beam used in this Remote control unit is harmful to the eyes.

CAUTION



LASER RADIATION
DO NOT STARE INTO BEAM
MAX. OUTPUT: 1mW
WAVE LENGTH: 660±20nm
CLASS II LASER PRODUCT

This product is complied with 21 CFR
part 1040.10

LASER RADIATION
DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT
LASER-STRAHLUNG
NICHT IN DEN STRAHL BLICKEN
LASER KLASSE 2
レーザ放射クラス2レーザ製品
ビームをのぞき込まないこと
IEC60825-1, Am. 1 1997
MAX OUTPUT (最大出力): 1 mW
WAVE LENGTH (波長): 660±20nm

■ Specifications

| | |
|----------------------------------|---|
| Projector Type | Multi-media Projector |
| Dimensions (W x H x D) | 390mm x 245mm x 585mm |
| Net Weight | 17.8kg |
| LCD Panel System | 1.8" TFT Active Matrix type x 3 panels |
| Number of Pixels | 2,359,296 {786,432 (1,024 x 768) x 3} |
| Color System | 6 color system (PAL, SECAM, NTSC, NTSC4.43, PAL-M and PAL-N) |
| Scanning Frequency | H-sync. 15 ~ 100kHz, V-sync. 50 ~ 120Hz |
| Projection Image Size (diagonal) | Adjustable from 40" to 600" |
| Horizontal Resolution | 800 TV lines |
| Projection Lens | F2.0 ~ 2.3 lens with f75.7mm ~ 97.5mm Motor zoom and focus |
| Motor Lens Shift | ± 760mm on 100" screen |
| Throw Distance | 1.5m ~ 24.6m |
| Projection Lamp | 440watt type |
| AV Input Jacks | BNC Type {Video/Y, C/Cb (B-Y), Cr (R-Y)} x 2 sets, Phono Type (Audio R and L) x 2 sets and DIN 4 pin (S-Video) x 2 sets |
| Video Monitor Output Jack | BNC Type {Video/Y, C/Cb (B-Y), Cr (R-Y)} x 1 set, and DIN 4 pin (S-Video) x 1 set |
| Audio Monitor Output Jack | RCA Type (R and L) x 1 set |
| Computer Input 1 Jack | MDR20-pin Terminal (Digital), HDB15-pin Terminal (Analog), Multi-pole 12 pin (Control port) and USB port |
| Computer Input 2 Jack | BNC Type (R, G, B, H and V), Multi-pole 12-pin (Control port) and USB port |
| Computer Audio Input Jack | Phono Type (R and L) x 2 set |
| Computer Output Jack | HDB15-pin Terminal |
| Computer Audio Output Jack | Phono Type (R and L) x 1 set |
| Other Jacks | Wired Remote Control Jack and Serial port (DB 9) |
| Built-in Speaker | INT. SP. Stereo (R and L), 3watt RMS (T.H.D. 10%) |
| Image Elevation Adjustment | Up to 4° |
| Voltage | 200 ~ 240V AC, 50/60Hz |
| Power Consumption | 3.6A (Max. Ampere) |
| Operating Temperature | 5°C ~ 35°C |
| Storage Temperature | -10°C ~ 60°C |
| Remote Control Transmitters | Wireless Remote Control with Laser Beam (Class II Laser) Max. Output 1mW/Wave length 660 ±20nm, batteries (2) AA, UM3 or R06 type. Wireless/Wired Remote Control, batteries (2) AA,UM3 or R06 type. |

Adjustments after Parts Replacement

● : Adjustment necessary

○ : Check necessary

| | | Disassembly / Replaced Part | | | | | | | | | | |
|------------------------|-------------------------------|-----------------------------|---|---|-----------------|------------|-----------------|---|---|-------------|-----------------|------------|
| | | LCD Panel | | | Integrator lens | Relay Lens | Polarized glass | | | Power Board | Sub Power Board | Main Board |
| | | R | G | B | | | R | G | B | | | |
| Optical Adjustments | Focus Adjustment | | | | | | | | | | | |
| | R-Focus adjustment | ● | | | | | | | | | | |
| | G-Focus adjustment | | ● | | | | | | | | | |
| | B-Focus adjustment | | | ● | | | | | | | | |
| | Convergence Adjustment | | | | | | | | | | | |
| | R-Convergence adjustment | ● | ● | | | | | | | | | |
| | B-Convergence adjustment | | ● | ● | | | | | | | | |
| | Integrator Lens Adjustment | | | | ● | | | | | | | |
| | Relay Lens Adjustment | | | | | ● | | | | | | |
| | Contrast Adjustment | | | | | | | | | | | |
| | R-Contrast adjustment | | | | | | ● | | | | | |
| | G-Contrast adjustment | | | | | | | ● | | | | |
| B-Contrast adjustment | | | | | | | | ● | | | | |
| Electrical Adjustments | Output Voltage Adjustment | | | | | | | | | ○ | | |
| | +6V Adjustment | | | | | | | | | ○ | | |
| | +15V Adjustment | | | | | | | | | ○ | | |
| | +12V Adjustment | | | | | | | | | | ○ | |
| | DVCO Adjustment | | | | | | | | | | | ● |
| | DC Adjustment | | | | | | | | | | | ● |
| | R-DC adjustment | | | | | | | | | | | ● |
| | G-DC adjustment | | | | | | | | | | | ● |
| | B-DC adjustment | | | | | | | | | | | ● |
| | PSIG Adjustment | | | | | | | | | | | ● |
| | Pedestal Adjustment-[CG] | | | | | | | | | | | ● |
| | R-Pedestal adjustment | | | | | | | | | | | ● |
| | G-Pedestal adjustment | | | | | | | | | | | ● |
| | B-Pedestal adjustment | | | | | | | | | | | ● |
| | Gain Adjustment-[CG] | | | | | | | | | | | ● |
| | R-Gain adjustment | | | | | | | | | | | ● |
| | G-Gain adjustment | | | | | | | | | | | ● |
| | B-Gain adjustment | | | | | | | | | | | ● |
| | Pedestal Adjustment-[AV] | | | | | | | | | | | ● |
| | R-Pedestal adjustment | | | | | | | | | | | ● |
| | G-Pedestal adjustment | | | | | | | | | | | ● |
| | B-Pedestal adjustment | | | | | | | | | | | ● |
| | Gain Adjustment-[AV] | | | | | | | | | | | ● |
| | R-Gain adjustment | | | | | | | | | | | ● |
| | G-Gain adjustment | | | | | | | | | | | ● |
| | B-Gain adjustment | | | | | | | | | | | ● |
| | Video Adjustment-[CG] | | | | | | | | | | | ● |
| | R-Video adjustment | | | | | | | | | | | ● |
| | G-Video adjustment | | | | | | | | | | | ● |
| | B-Video adjustment | | | | | | | | | | | ● |
| | Video Adjustment-[AV] | | | | | | | | | | | ● |
| | R-Video adjustment | | | | | | | | | | | ● |
| | G-Video adjustment | | | | | | | | | | | ● |
| | B-Video adjustment | | | | | | | | | | | ● |
| | Common Center Adjustment | | | | | | | | | | | ● |
| | R-Common center adjustment | ● | | | | | | | | | | ● |
| | G-Common center adjustment | | ● | | | | | | | | | ● |
| | B-Common center adjustment | | | ● | | | | | | | | ● |
| | Offset Adjustment-[AV] | | | | | | | | | | | ● |
| | R-Offset adjustment | | | | | | | | | | | ● |
| | G-Offset adjustment | | | | | | | | | | | ● |
| | B-Offset adjustment | | | | | | | | | | | ● |
| | Offset Adjustment-[CG] | | | | | | | | | | | ● |
| | R-Offset adjustment | | | | | | | | | | | ● |
| | G-Offset adjustment | | | | | | | | | | | ● |
| | B-Offset adjustment | | | | | | | | | | | ● |
| | White Balance Adjustment-[CG] | ● | ● | ● | | | | | | | | ● |
| | White Balance Adjustment-[AV] | ● | ● | ● | | | | | | | | ● |
| | White Uniformity Adjustment | ○ | ○ | ○ | | | | | | | | ○ |

■ Circuit Protections

This projector is equipped with the following circuit protections to operate in safety. If the abnormality occurs inside the projector, it will automatically turn off by operating one of the following protection circuits.

Fuse

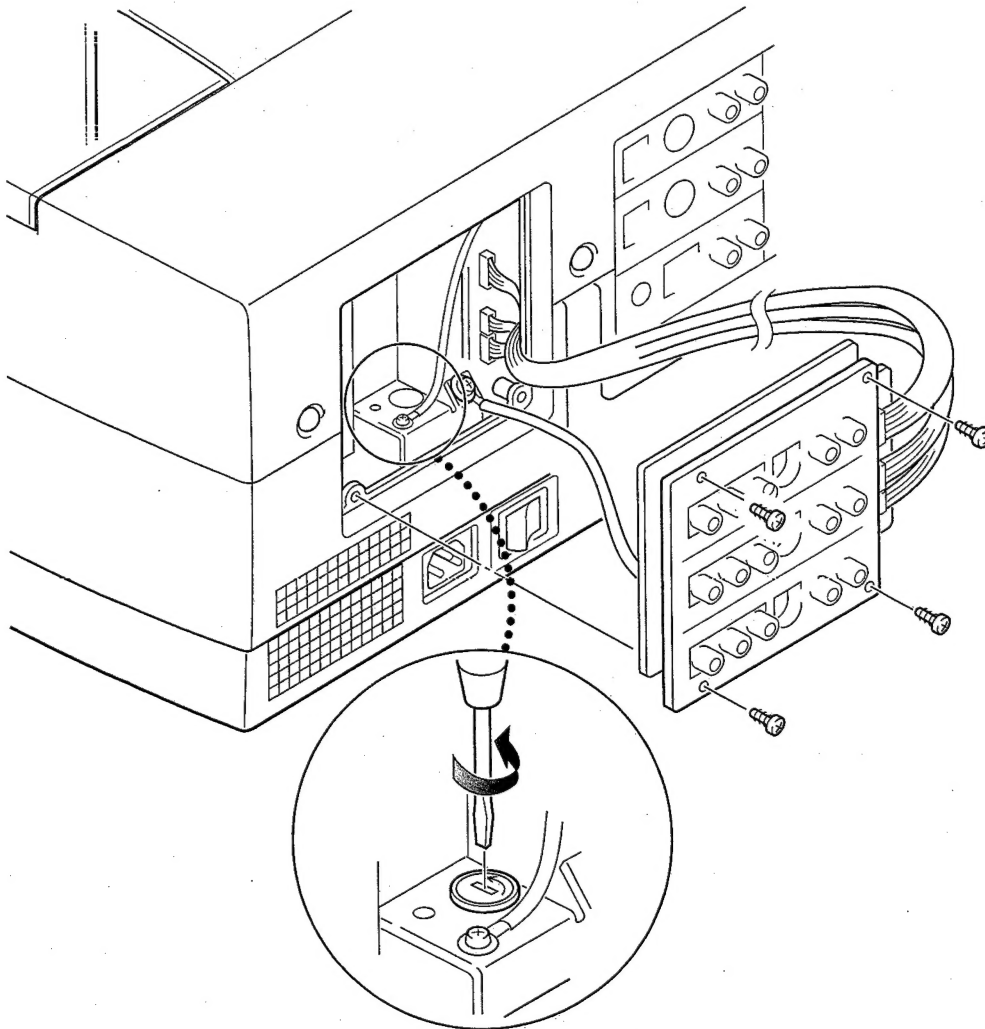
The fuse is located inside the projector. When the Mains switch on the rear panel is turned on and the lamp indicator does not illuminate, fuse may be open. Remove the AV board ass'y by following below and check the fuse.

It should be used the specified fuse as follows;

Fuse Part No.: 423 025 1201
TYPE T8.0AH 250V FUSE
LITTLE FUSE INC. TYPE 215008

How to replace the fuse

1. Remove 4 screws and pull out the AV Jack board ass'y.
 2. Insert slot screwdriver into a globe of the fuse holder, then push and turn the screwdriver in the arrow direction.
- To install the fuse, take reversed step in the above.



Warning temperature and power failure protection

The TEMP WARNING indicator flashes red and the projector will automatically turn off when the internal temperature of the projector exceeds the normal temperature or when stopping cooling fans or when the internal power supply lines are failed.

Check the following possible causes and wait until stopping the TEMP WARNING indicator flashing.

Possible causes

- Air filter is clogged with dust particles. Remove dust from the air filter by following instructions in the "Air filter care and cleaning" below.
- Ventilation slots of the projector are blocked. In such an event, reposition the projector so that ventilation slots are not obstructed.
- Check if projector is used at higher temperature place (Normal operating temperature is 5 to 35 °C)

If the TEMP WARNING indicator still continues to flash, there may be defects on cooling fans or power supply circuits. Please check fan operation and power supply lines referring to the "Power Supply Lines Chart".

Air Filter care and cleaning

The removable air filter prevents dust from accumulation on the surface of the projection lens and projection mirror. Should be the air filter become clogged with dust particles, it will reduce the cooling fan's effectiveness and may result in internal heat build up and reduce the life of the projector.

To clean up the air filter, follow the cleaning procedure below:

1. Turn the MAINS ON/OFF switch to OFF, and disconnect the AC power code from the AC outlet.
2. Remove the air filter cover.
Press the cover latch sideways and lift the cover.
3. Remove the air filter and sponge from the filter cover.
4. Clean the air filter with a vacuum cleaner.
5. Replace the air filter and sponge. Make sure that air filter cover is fully inserted.

CAUTION:

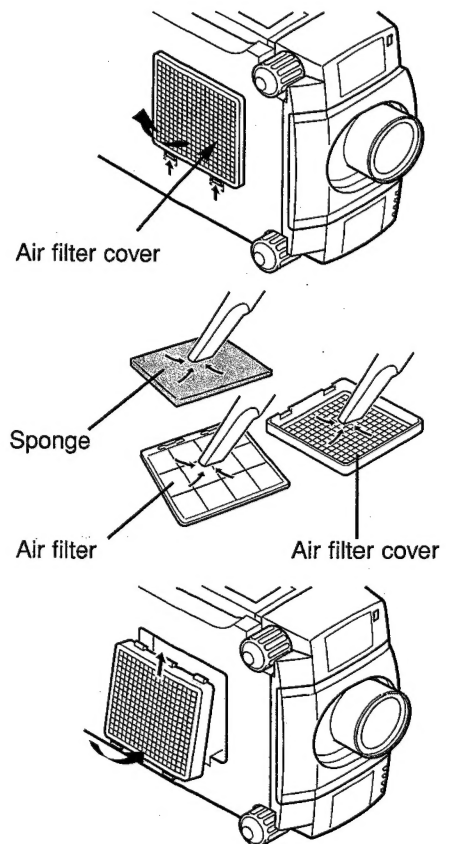
Do not clean with water. Doing so may damage the air filter.
Do not operate the projector with air filter removed.

RECOMMENDATION

We recommend to avoid dusty, smoky place for operating the projector. Using in dusty place may cause the picture of poor quality.

When using under the dusty or smoky conditions, dust may accumulate on the LCD panel and lens inside it, and may resultantly be projected on the screen together with the picture.

When the above symptoms are noticed, please clean up the LCD panel and lens following to the "Cleaning Method".



■ Mechanical Disassemblies

Mechanical disassemble should be made following procedures in numerical order.
Following steps show the basic procedures, therefore unnecessary step may be ignored.

Caution:

The parts and screws should be placed exactly the same position as the original otherwise it may cause loss of performance and product safety.

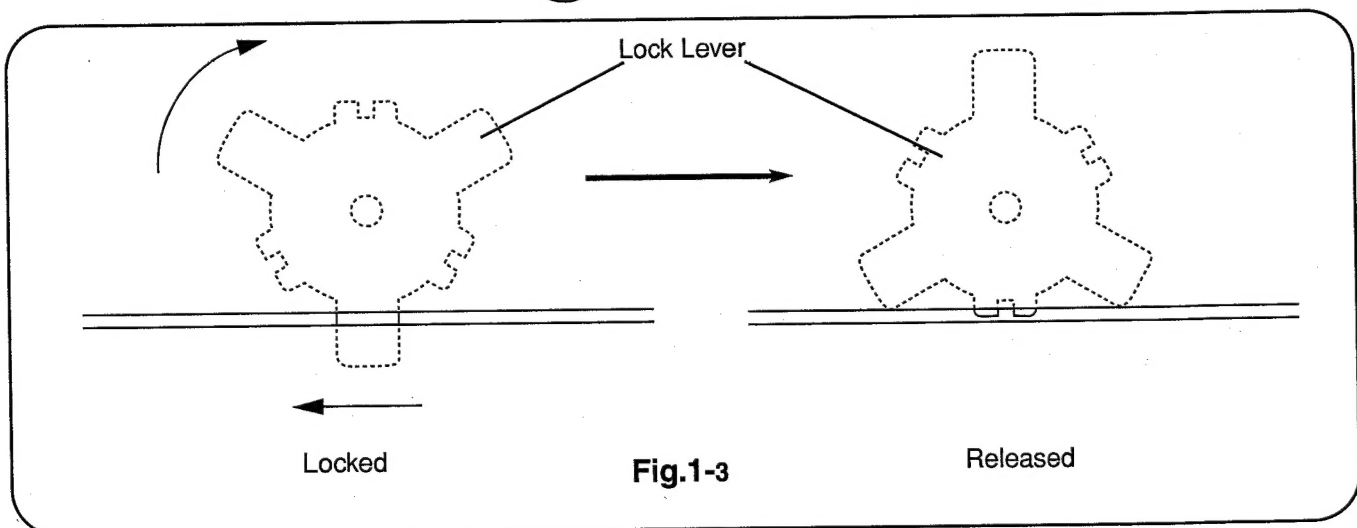
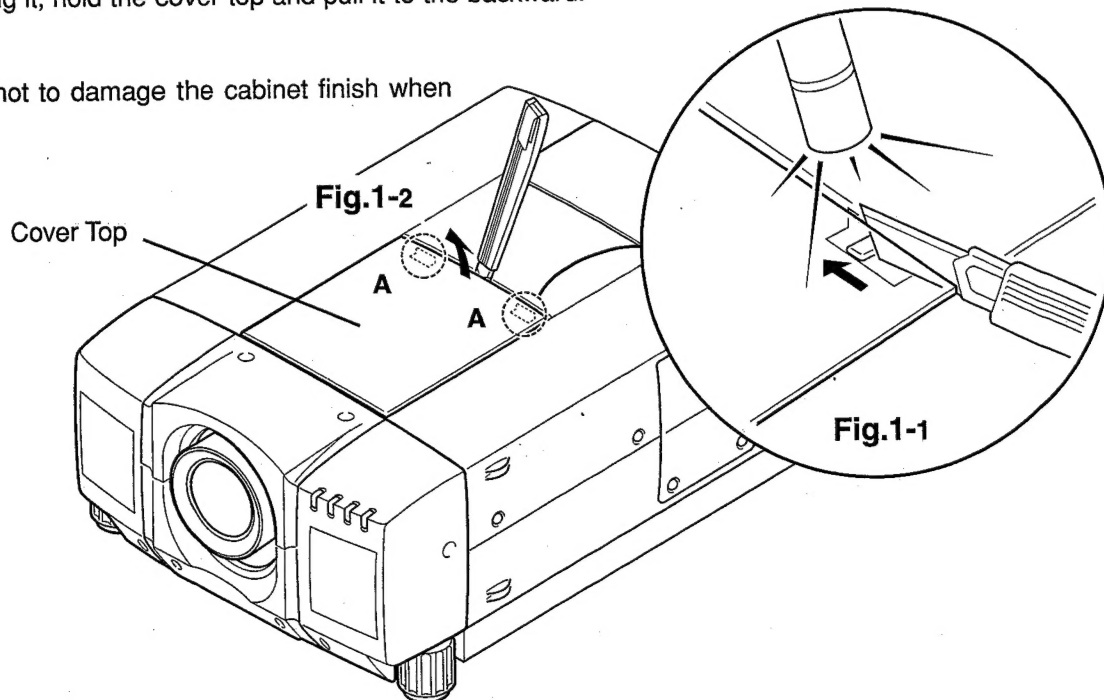
1. COVER TOP REMOVAL

The cover top is fixed by the 2 locked levers(A). When removing the top cover, turn the lock lever to the released position as shown in **Fig.1-3**.
The pen-type light and thin flat tool (like cutter knife) will be required to release the lock.

- 1) Confirm the position of the lock lever with the pen-light. Release the lock lever by sliding it laterally by using at the edge of the tool as shown in **Fig.1-1**.
- 2) Release the other lock lever in the same way.
- 3) Lift the cover top to the upward by the tool as shown in **Fig.1-2**.
- 4) After lifting it, hold the cover top and pull it to the backward.

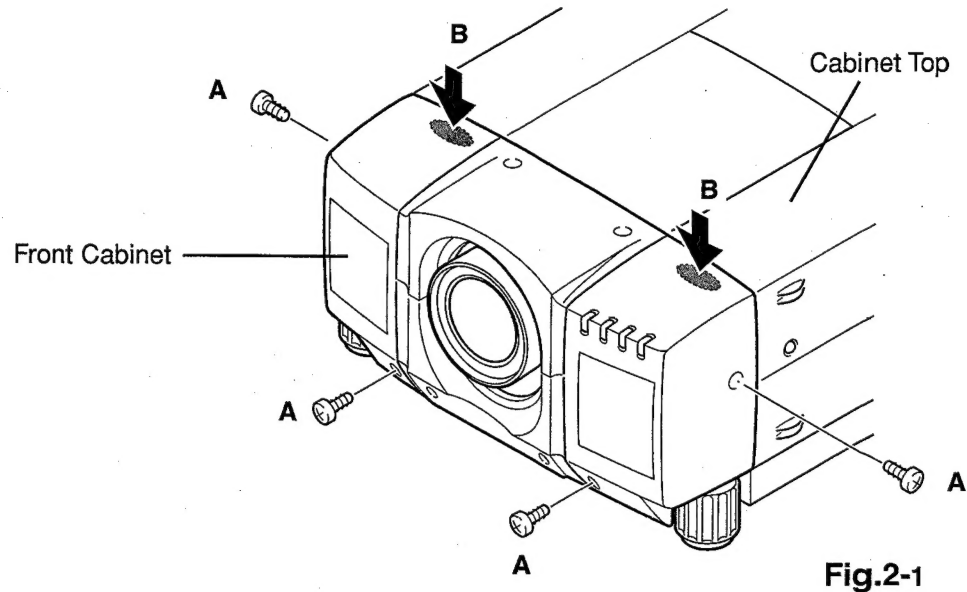
Note:

Be careful not to damage the cabinet finish when removing it.



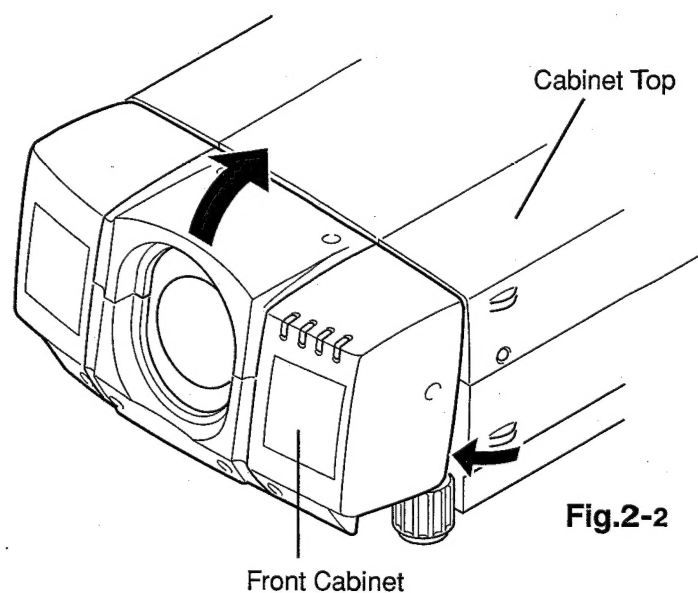
2. CABINET FRONT REMOVAL

- 1) Remove 4 screws (A) on the cabinet front.
- 2) Push down the part B of the cabinet front by finger (slight bent cabinet downward) and remove the engagement of it. See **Fig.2-1**. The front and top cabinets are engaged with 4 hooks at the top and 3 hooks at the lower part. See **Fig.2-4** on next page for location of the hooks. Release those hooks when separate the both cabinets.



- 3) Pull the lower side of the cabinet front forward and remove it as shown in **Fig.2-2**.

Lower part is engaged with the 3 hooks. Push the cabinet front downward slightly and pull the lower forward.



* CABINET FRONT MOUNTING

- 1) Front and top cabinets are engaged with 4 hooks at the upper side and 3 hooks at lower side. See **Fig.2-4**. First engage the upper side at each end of the cabinet front with the cabinet top.

Then, push the lower of the cabinet in the direction of the arrow and engage the lower part of cabinet front with the lower part of cabinet top. See **Fig.2-4**.

It is not enough to engage the upper side of the cabinet front with the upper side of the top cabinet. Follow the next steps for engaging them completely.

- 2) See **Fig.2-3**. Slightly push the cabinet front backward and pushing arrow points of the cabinet top until each hooks are fitted.

Push the arrow point in the order if the number. Space should not be obtained between the cabinet front and the cabinet top. Engage both cabinets until no space observed between both cabinets.

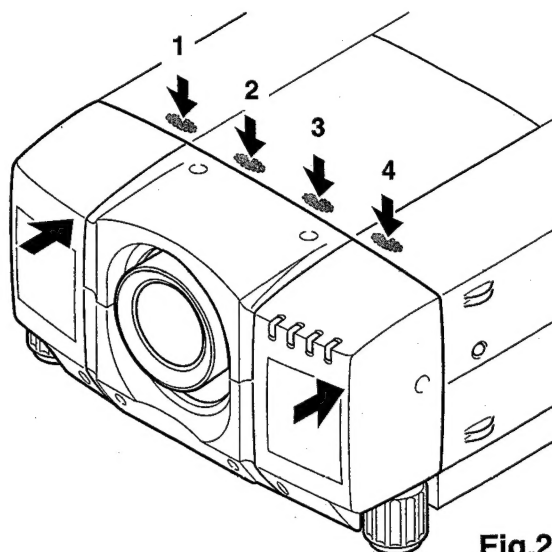


Fig.2-3

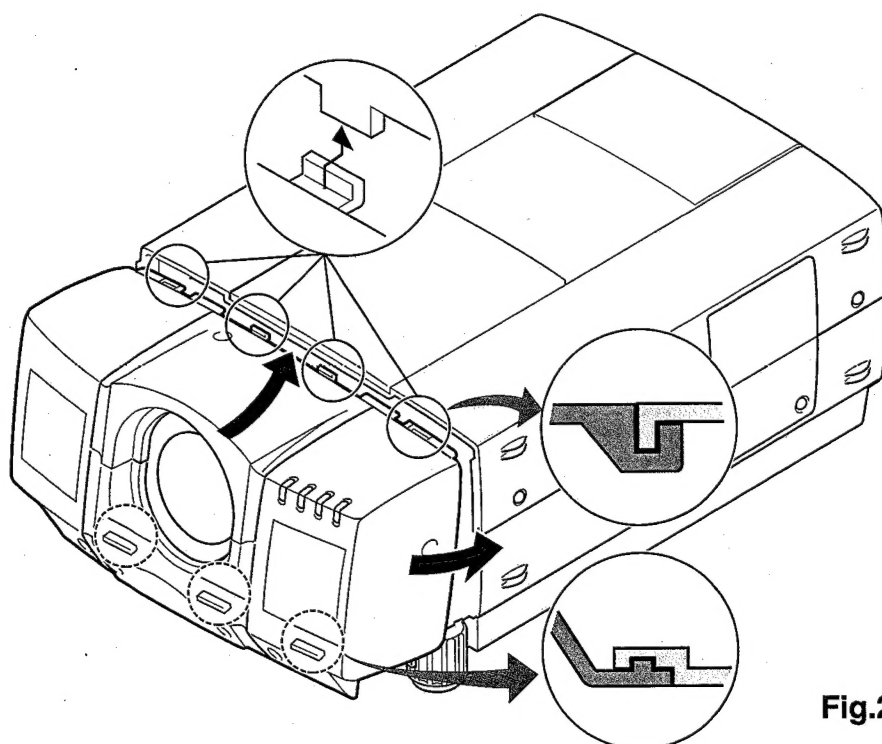
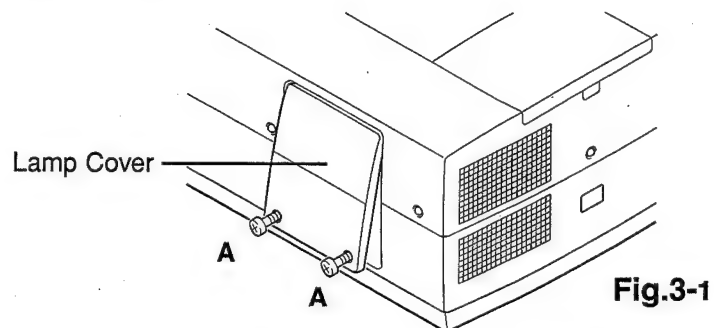


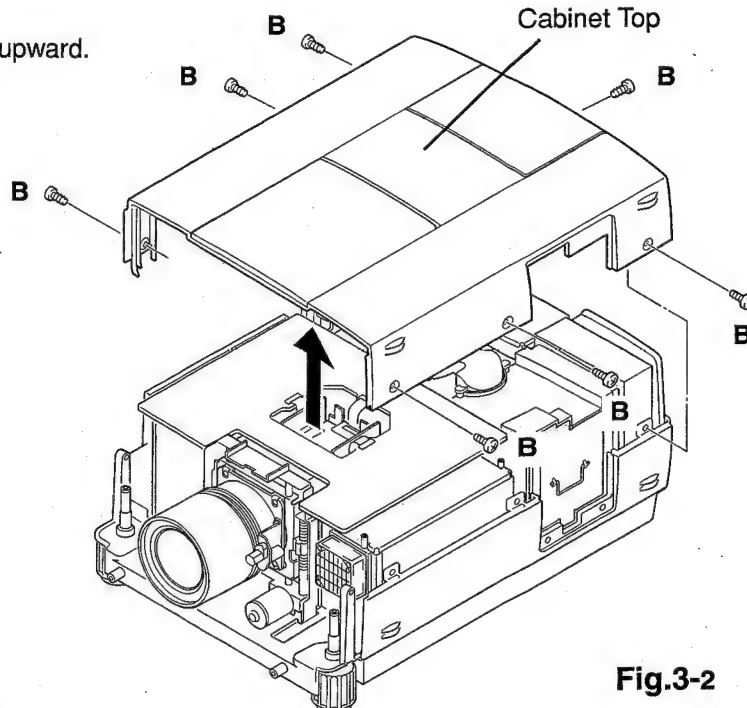
Fig.2-4

3. LAMP COVER and CABINET TOP REMOVAL

1) Loose 2 screws (A) on side of the cabinet and remove the lamp cover.

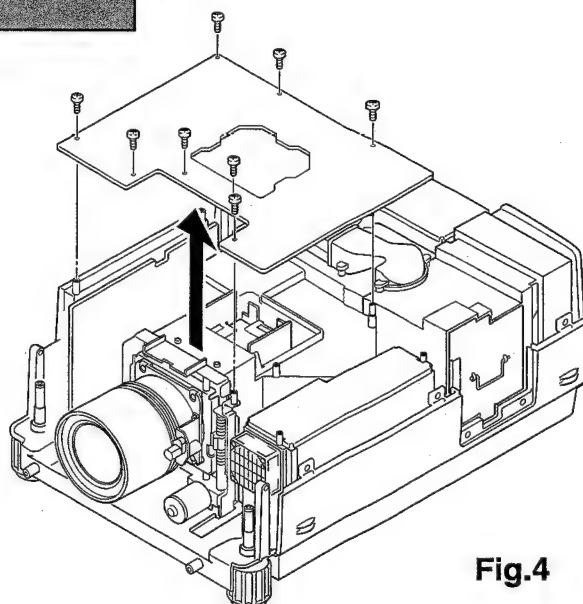


2) Remove 7 screws (B) and pull the cabinet top upward.



4. MAIN BOARD REMOVAL

- 1) Disconnect the connectors and FPC on the main board.
- 2) Remove 8 screws and pull the main board upward.



5 LAMP BALLAST, VIDEO BOARD and FAN(FN905) REMOVAL

- 1) Remove 2 screws (A) and disconnect the lamp socket.
- 2) Remove 4 screws (B) and pull the lamp ballast unit upward.
- 3) Release 4 hooks (C) on the shield box and remove the shield cover.
- 4) Pull out the lamp ballast unit by sliding it to the upward.
- 5) Remove 2 screws (D) and remove the FAN (FN905).
- 6) Remove 2 screws (E) and remove video board.

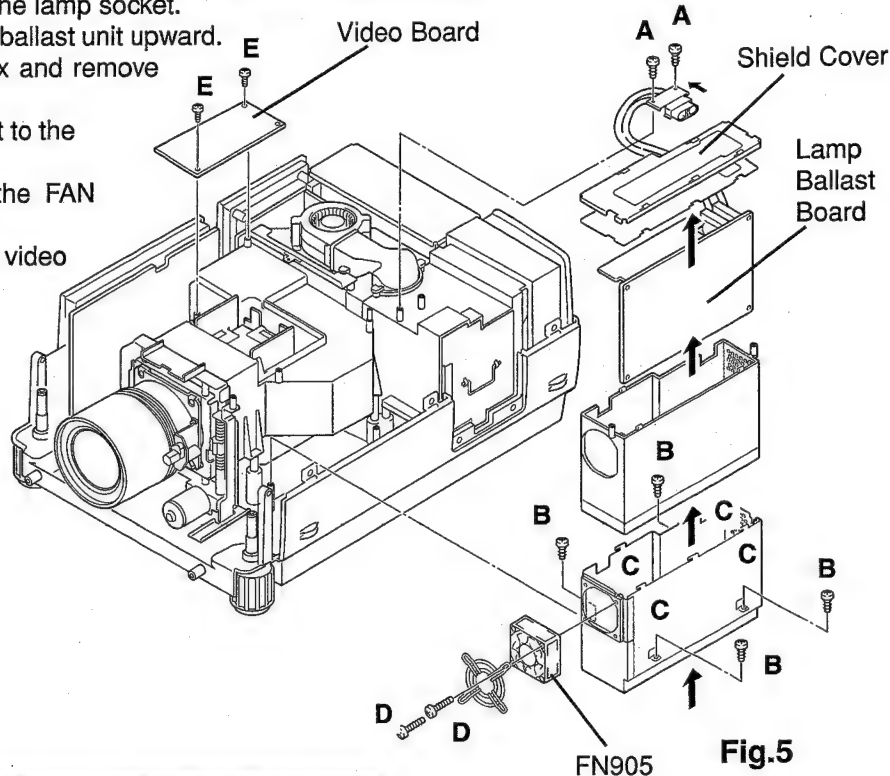


Fig.5

6 AV JACK BOARD REMOVAL

- 1) Pull out the AV Jack board ass'y upward and remove a screw (A).
- 2) Remove 4 screws (B) and then take out AV Jack board ass'y.
- 3) Remove 6 screws (C) and 4 screws (D), then remove the AV Jack board.

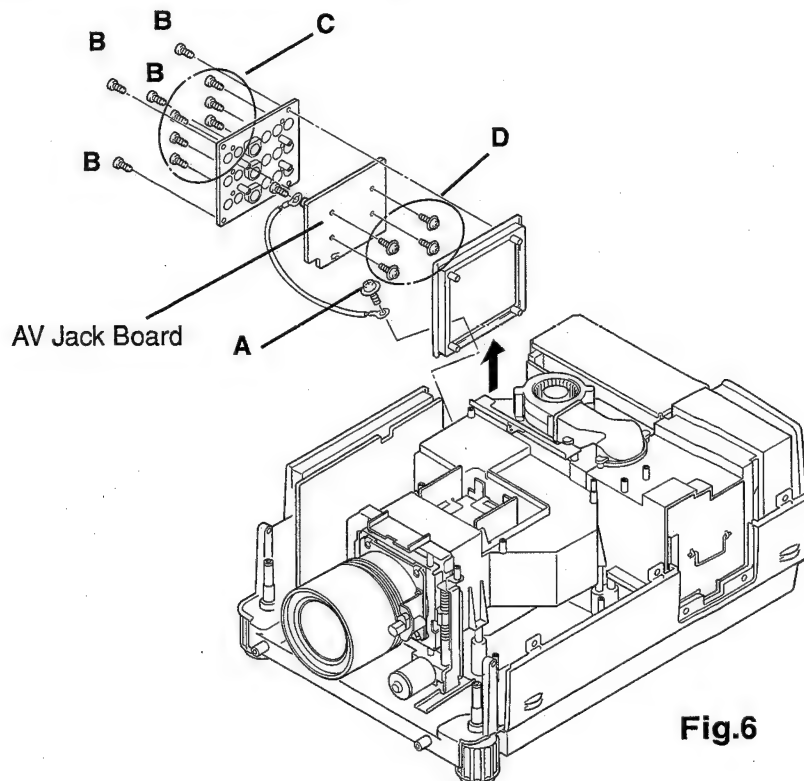


Fig.6

7 POWER, SUB POWER BOARD and FAN(FN903, FN904) REMOVAL

- 1) Remove 2 screws (A) and remove the FAN(FN903).
- 2) Remove 4 screws (B) and remove the duct cover.
- 3) Remove 2 screws (C) and remove the Sub Power board.
- 4) Remove 4 screws (D) and remove the shield box.
- 5) Release 4 hooks (E) on the shield box and remove the shield box cover.
- 6) Remove the Power unit by sliding it to the upward.
- 7) Remove 2 screws (F) and remove the FAN(FN904).

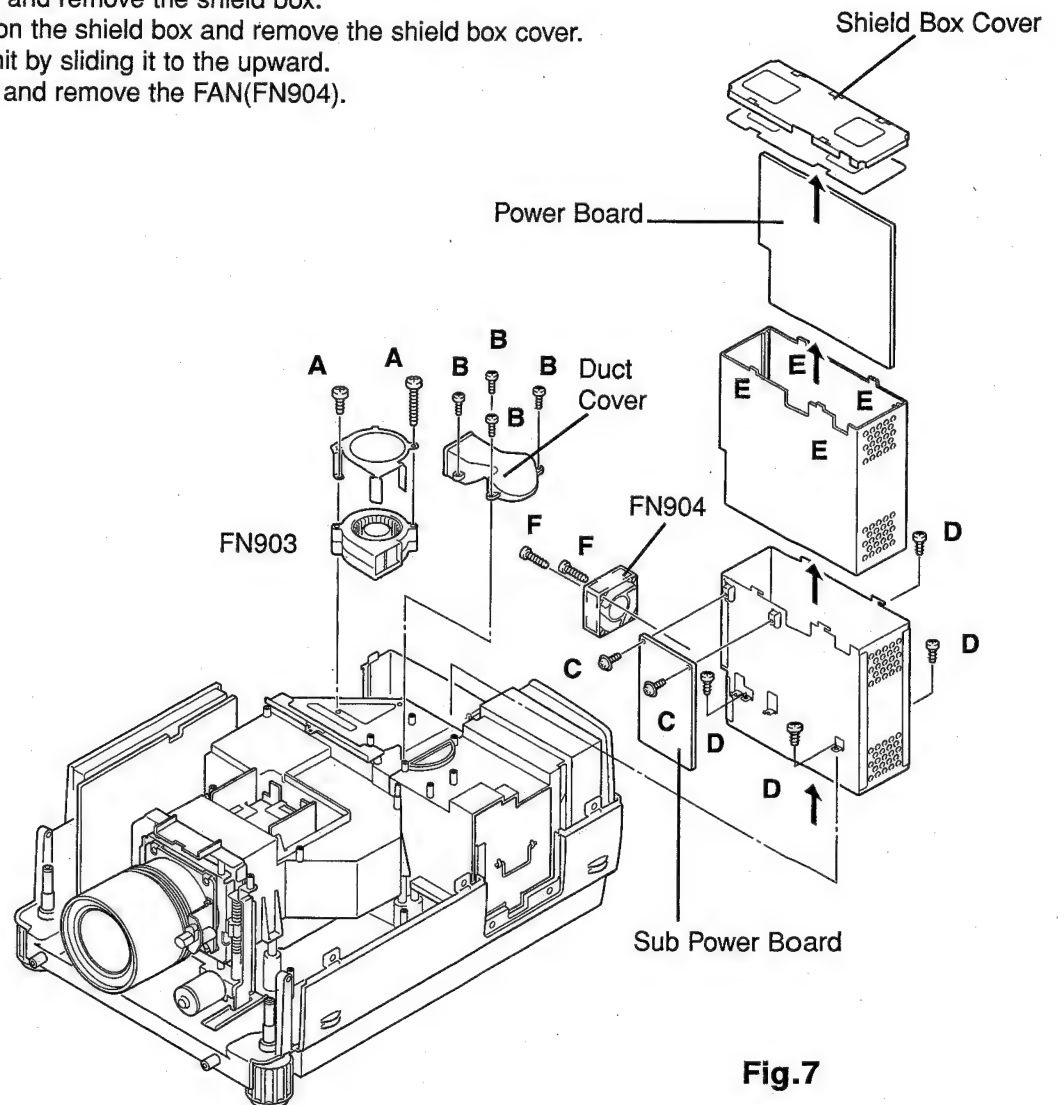


Fig.7

8. INTERFACE BOARD REMOVAL

- 1) Remove a screw (A) and remove the ground wire.
- 2) Pull out the Interface Panel ass'y by sliding it upward.
- 3) Remove 6 screws (B) and 5 screws (C), then remove the Interface board.

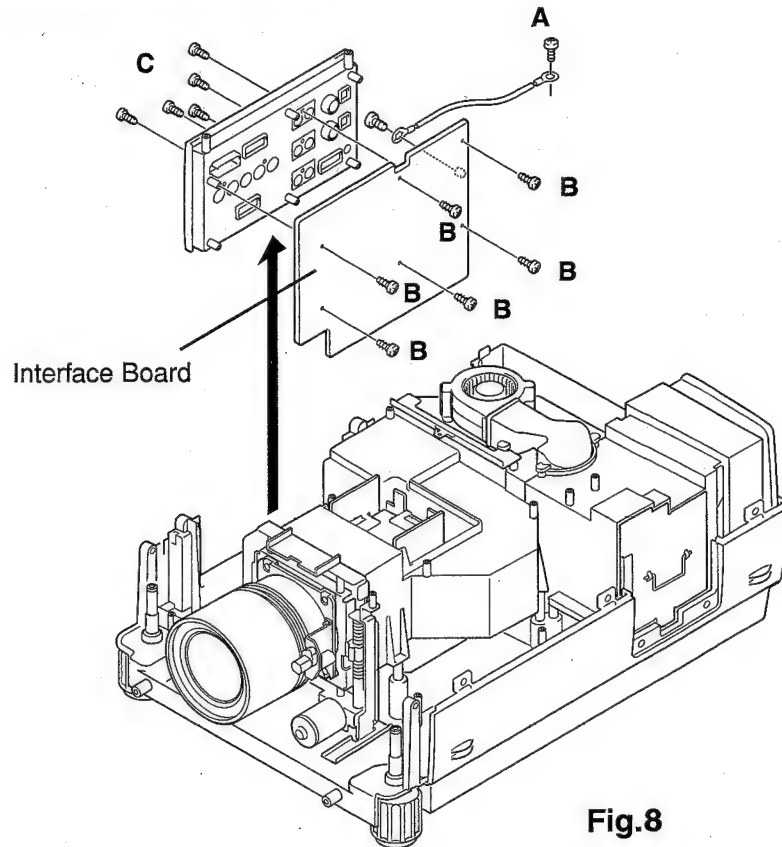


Fig.8

9. MAINS SWITCH ASS'Y REMOVAL

Remove 4 screws and the pull out the Mains Switch Ass'y.

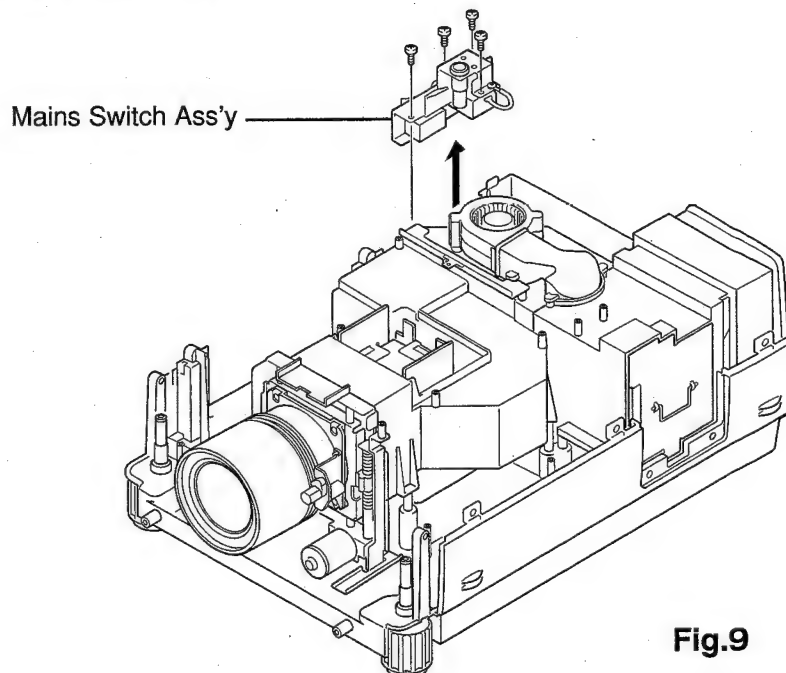


Fig.9

10. OPTICAL UNIT and FAN (FN901, FN902, FN906, FN907) REMOVAL

- 1) Remove 9 screws (A) and pull out the Optical Unit Ass'y upward.
- 2) Remove 4 screws (B) and remove the Lamp Box.
- 3) Remove 4 screws (C) and then pull out the Duct Cover and FAN (FN902).
- 4) Remove 4 screws (D) and remove the Duct In Cover.
- 5) Remove 6 screws (E) and remove FAN (FN901, FN906, FN907).
- 6) Remove 2 screws (F) and remove the Interlock Switch (SW902).
- 7) Remove 2 screws (G) and remove the Net Unit.

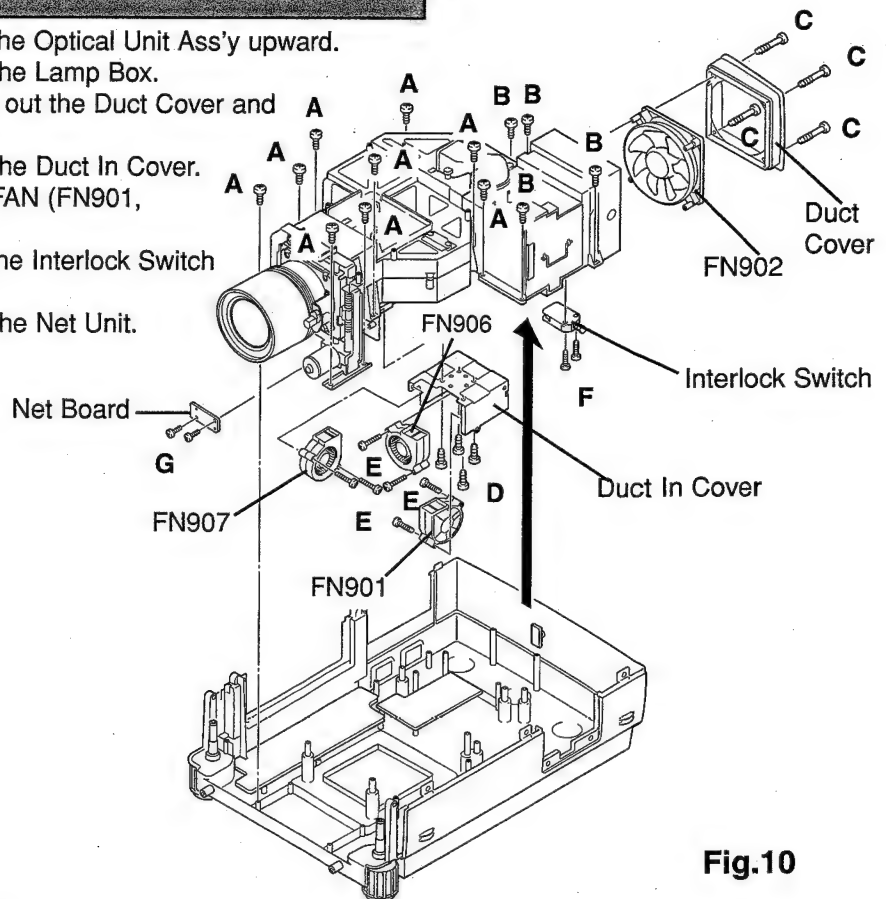


Fig.10

11. MOTHER, FILTER and RC2 BOARD REMOVAL

- 1) Remove 5 screws (A) and remove the Mother board.
- 2) Remove 4 screws (B) and remove the Filter board.
- 3) Remove a screw (C) and remove the RC2 board.

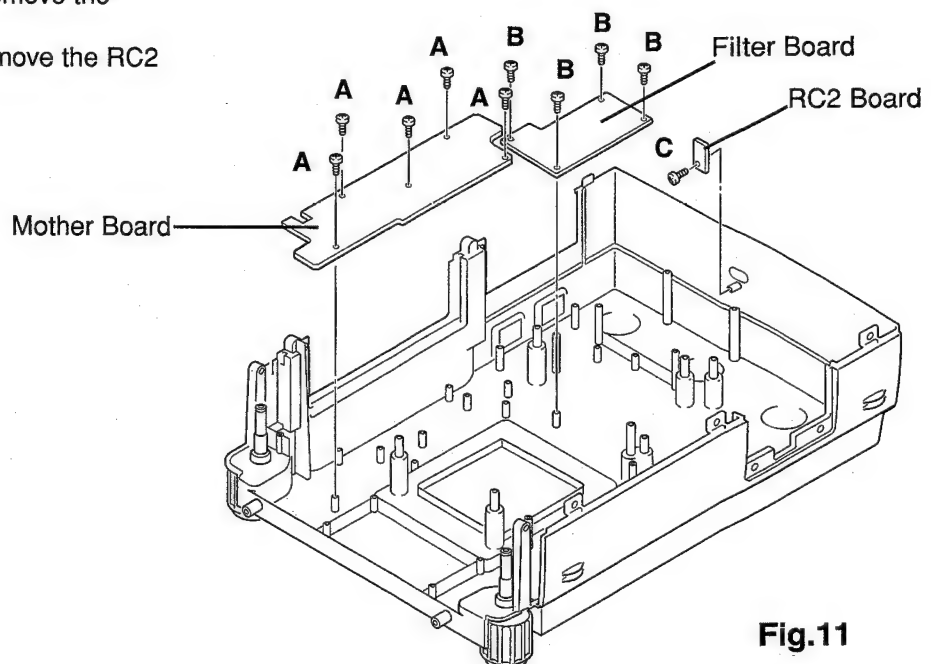


Fig.11

■ Optical Unit Disassemblies

Remove the Cabinet Front , Lamp Cover, Cabinet Top and Main Unit by following to steps 2 to 4 of "Mechanical Disassemblies", before proceeding these disassemblies.

1. PROJECTOR LENS REMOVAL

Remove 4 screws (Hexial screws) and remove the Projector Lens.

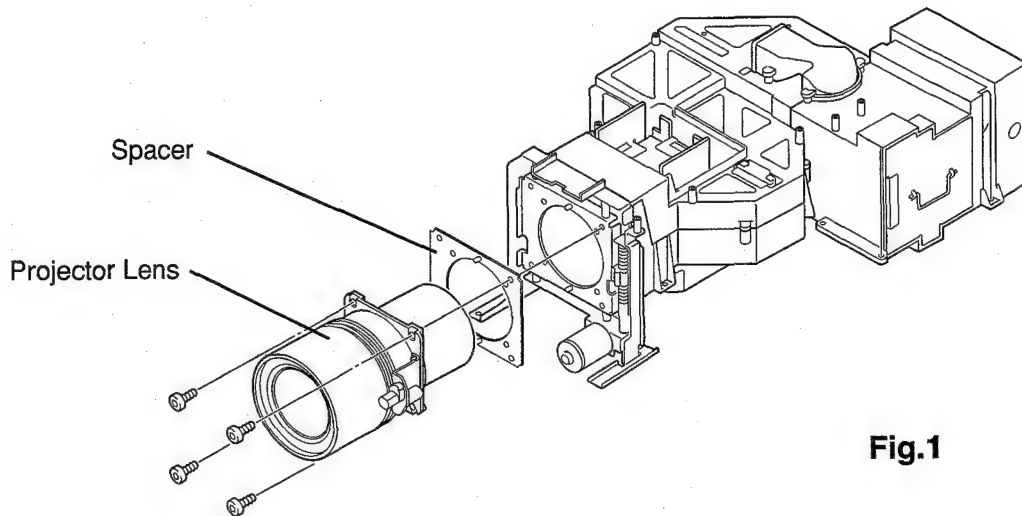


Fig.1

2. LENS HOLDER ASS'Y REMOVAL

Remove 4 screws and remove the Lens Holder ass'y.

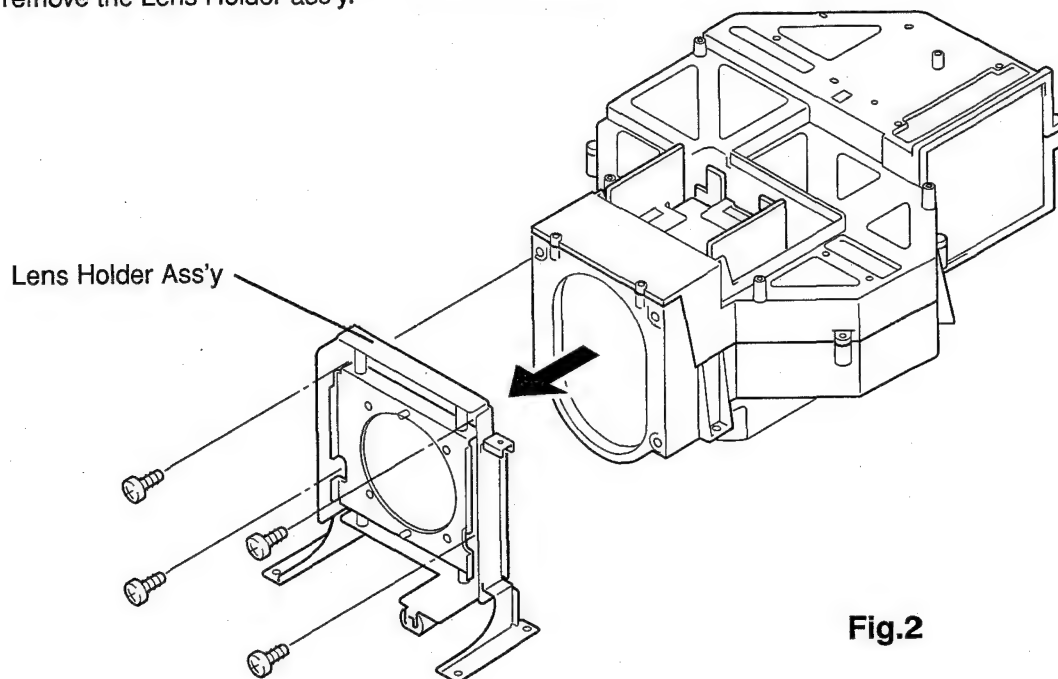
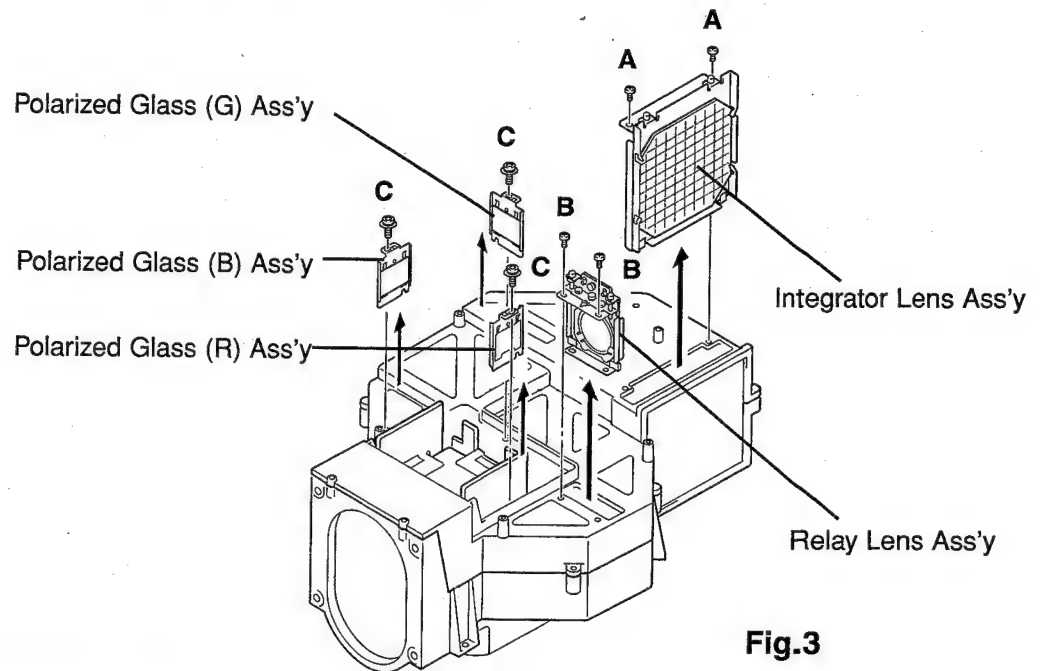


Fig.2

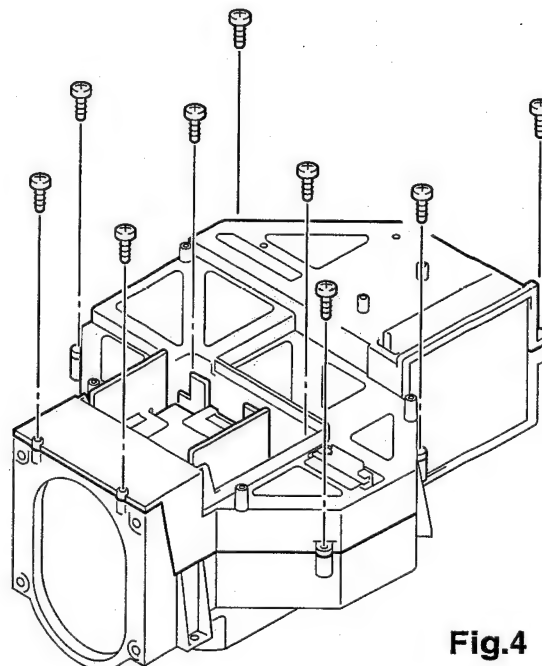
3. INTEGRATOR, RELAY LENS and POLARIZED GLASS REMOVAL

- 1) Remove 2 screws (A) and pull out the Integrator Lens ass'y upward.
- 2) Remove 2 screws (B) and pull out the Relay Lens ass'y upward.
- 3) Remove 3 screws (C) and pull out the Polarized Glass ass'y upward.



4. OPTICAL UNIT TOP REMOVAL

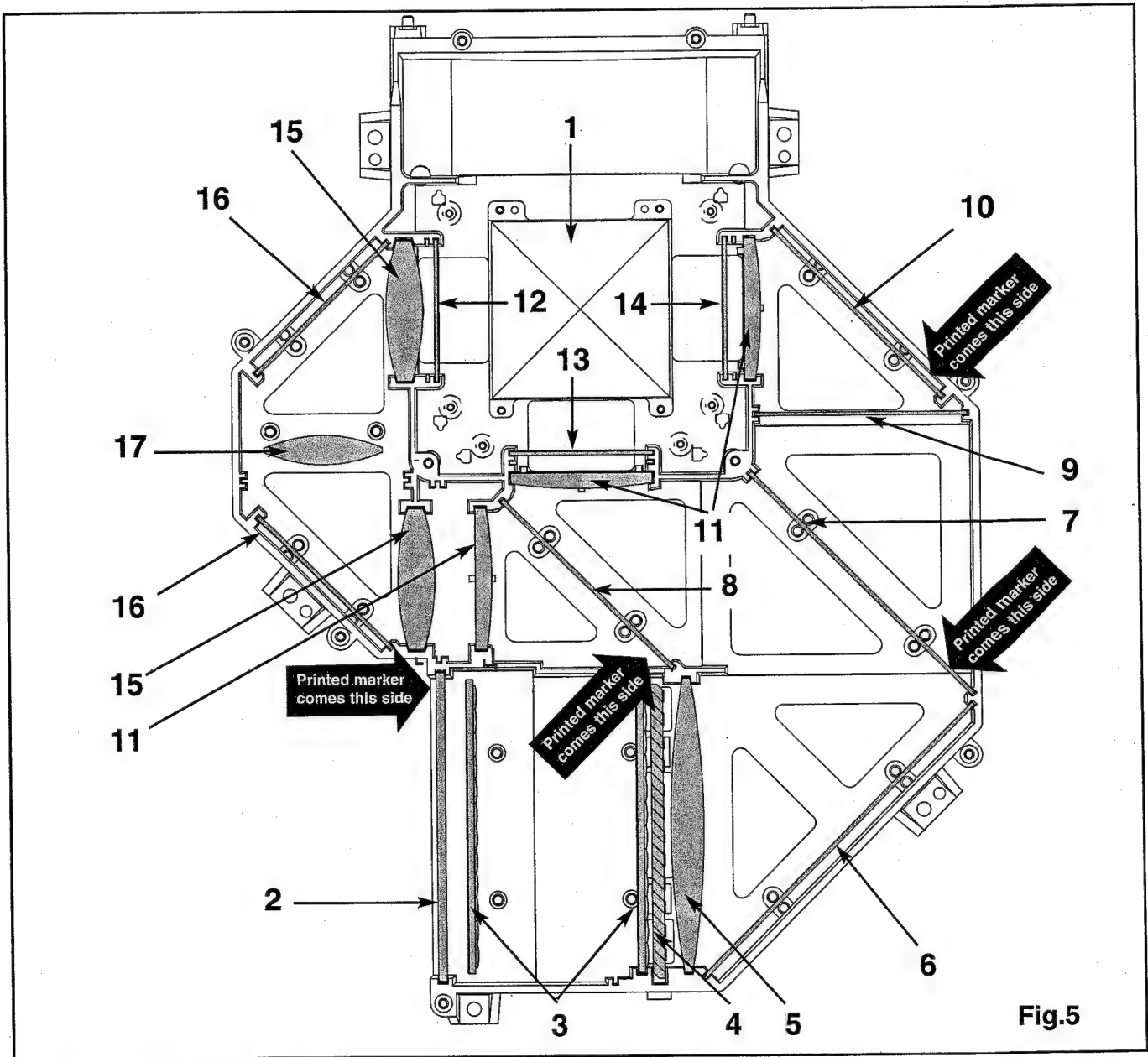
Remove 9 screws and then pull out the Optical Unit Top upward.



Parts Name and Locations

When the optical parts mounting or assembling, the parts must be mounted in the specified location and direction. Please refer to the figure below and "Mounting direction of optical parts" on next page.

| No. | Part name | No. | Part name |
|-----|---------------------------------|-----|------------------------|
| 1 | Prism | 10 | Mirror (B) |
| 2 | Optical filter UV/IR | 11 | Condenser lens |
| 3 | Integrator lens | 12 | Polarized glass (IN/R) |
| 4 | Prism (Polarized Beam Splitter) | 13 | Polarized glass (IN/G) |
| 5 | Condenser lens (IN) | 14 | Polarized glass (IN/B) |
| 6 | Mirror (W) | 15 | Relay lens (IN) |
| 7 | Dichroic mirror (B) | 16 | Mirror (R) |
| 8 | Dichroic mirror (G) | 17 | Relay lens (OUT) |
| 9 | Optical filter | | |



Mounting direction of optical parts

The optical parts must be mounted in specified direction otherwise the picture image will not reproduce correctly.

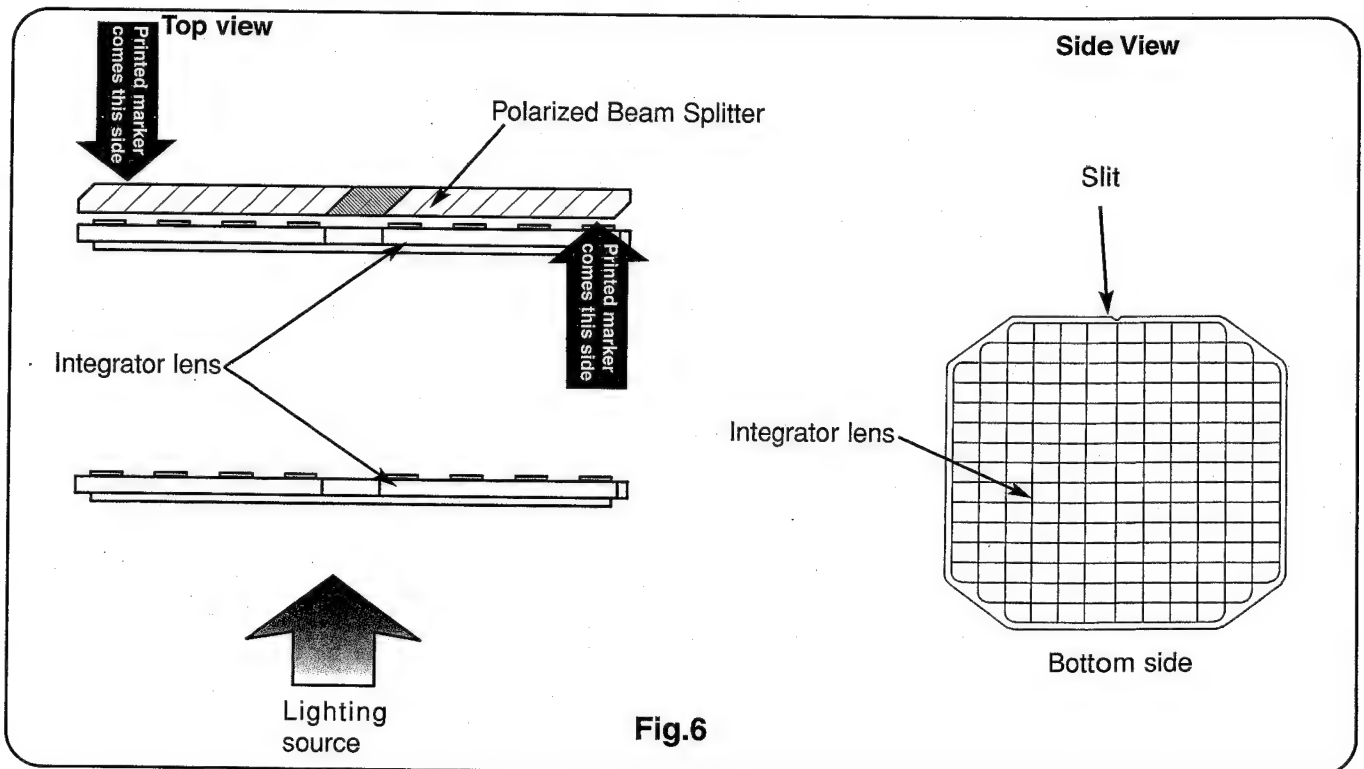
● Integrator lens (Ref No. 3) mounting direction

Mount the Integrator lens as shown in Fig.5 and Fig.6.

● Polarized beam splitter (Ref No. 4) mounting direction

Mount the Polarized beam splitter as shown in Fig.5 and Fig.6.

Note: The marking comes upper right corner viewing from the projected side and the marking comes lower right corner viewing from the lighting source side.



● Mirror (Ref.No.6, 10, 16) mounting direction

Mount the mirror with coating side(mirror side) inside.

● Optical filter (Ref No. 2) mounting direction

Mount the optical filter as the printed marker (Lot No.) comes left side viewing from the lighting source side.

● Polarized glass (Ref No. 12, 13, 14) mounting direction

Mount the Polarized glass as the face which the polarized sheet is attached to prism side.

● Lens mounting

Lens (Ref.No. 11) must be mounted as shown in Fig.5.

Lens (Ref.No. 5, 15, 17) has no mounting direction.

● Dichroic Mirror (Ref No. 7, 8) mounting

Dichroic mirrors must be mounted as shown in Fig.5.

■ Lamp Replacement

WARNING:

- For continued safety, replace with a lamp assembly of the same type.
- Allow the projector to cool for at least 45 minutes before you open the lamp cover. The inside of the projector can become very hot.
- Do not drop the lamp module or touch the glass bulb! The glass can shatter and cause injury.

Service Parts No.: 610 280 4225

Description: Lamp Assy (POA-LMP20J)

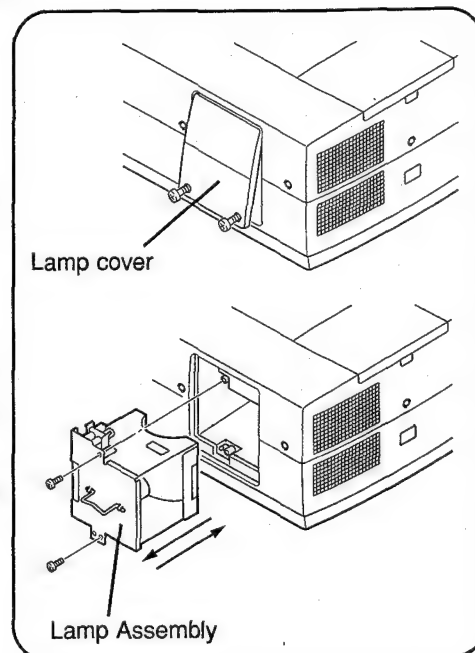
Procedure

1. Turn off the projector and allow the projector to cool thoroughly.
2. Disconnect the AC cord from the projector.
3. Loose 2 screws with a screwdriver and remove the lamp cover.
4. Remove 2 screws and pull out the lamp assembly by grasping the handle.
5. Replace the lamp assembly securely and tighten 2 screws.
6. Place the lamp cover and tighten 2 screws.
7. Connect the AC cord to the projector.

8. Reset the lamp replacement monitor timer, see below explanation.

Note:

- Do not reset the LAMP REPLACEMENT MONITOR TIMER, except after the lamp is replaced.
- The projector can not be turned-on with the lamp cover removed, because when the lamp cover is removed, the interlock switch is also released to switch off the mains power for safety.



How to reset the lamp replacement monitor timer

1. Turn the projector on. Press the **MENU** button on the projector and display menu bar. Select setting menu and select "Lamp age" on the setting menu of menu bar.
2. "Lamp replace monitor Reset?" is displayed for confirmation. Select "Yes" to reset the lamp replace timer.

Recommendation

Should the air filter become clogged with dust particles, it will reduce the cooling fan's effectiveness and may result in internal heat build up and short lamp life. We recommend cleaning the air filter after the projection lamp is replaced.


Refer to "Air Filter Cleaning".

Please refer to the owners manual for further information.

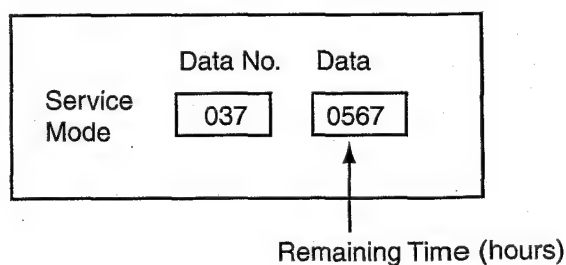
How to check the lamp life remaining time

The LAMP REPLACE indicator will illuminate and the LAMP REPLACE warning message will appear on the screen when the total illumination time of lamp reaches to the specified hours. These are to indicate that lamp replacement is necessary.

You can check the lamp life remaining time by following procedure.

1. Press and hold the pointer  button for more than 20 seconds. The service mode window will be displayed on the screen as shown right.
2. You can see the lamp life remaining time.
For example: "0567" means 567 hours remaining.

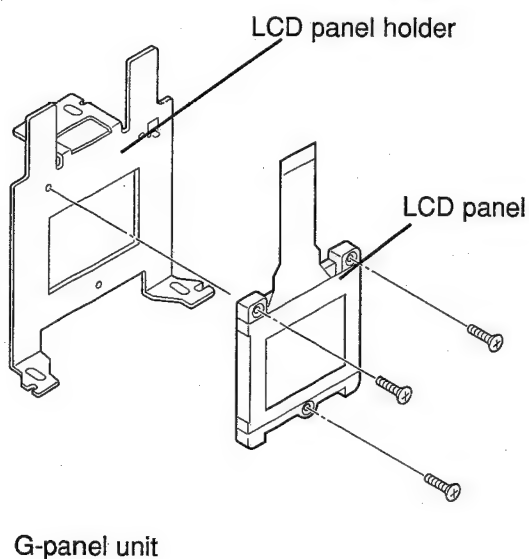
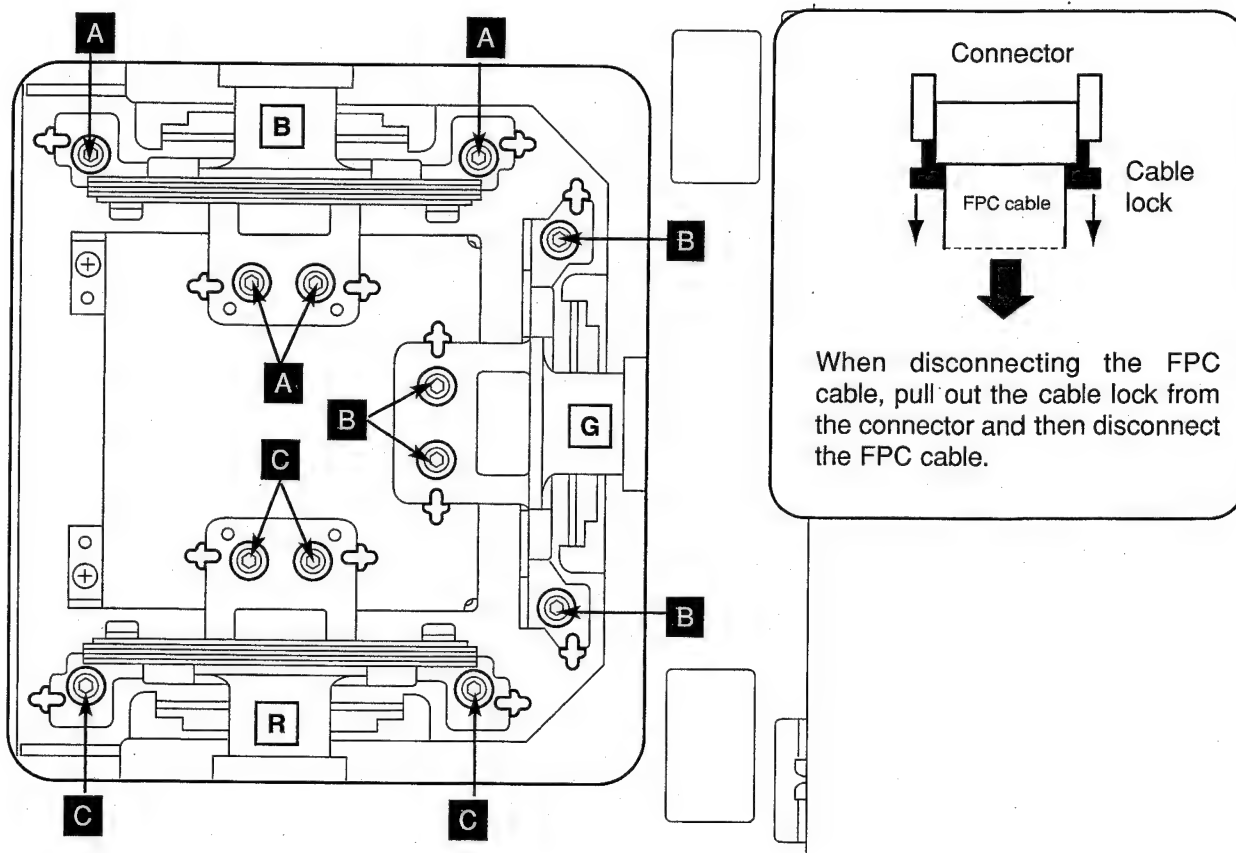
3. Press the **POWER ON-OFF** button to quit the service mode.



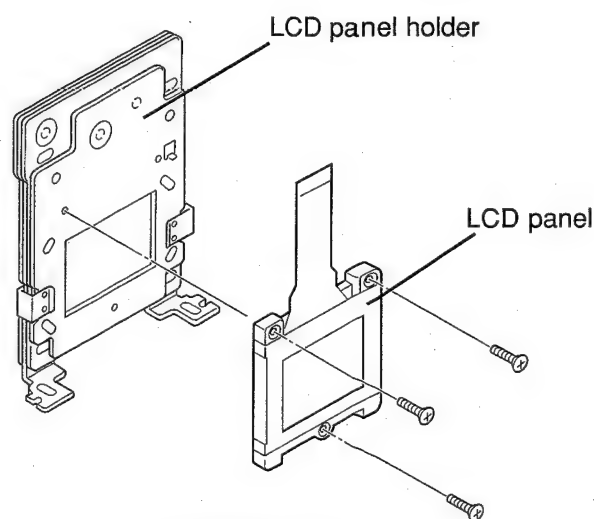
■ LCD Panel Replacement

1. Remove the cabinet cover following to step 1 of "Mechanical Disassemblies".
2. Remove the FPC cable on the main board.
3. Remove 4 screws(A) for B-Panel, 4 screws(B) for G-Panel and 4 screws(C) for R-Panel and pull the each LCD panel upward.
4. Remove 3 screws to take off the LCD panel from the panel holder.

When the LCD panel is replaced, it is required to re-adjust the white balance, focus, convergence and common center adjustments, and white uniformity adjustment if required. (Refer to the Optical and electrical adjustment.)



G-panel unit



R, B-panel unit

■ Electrical Adjustments

● Service Adjustment Menu Operation

To enter the service mode

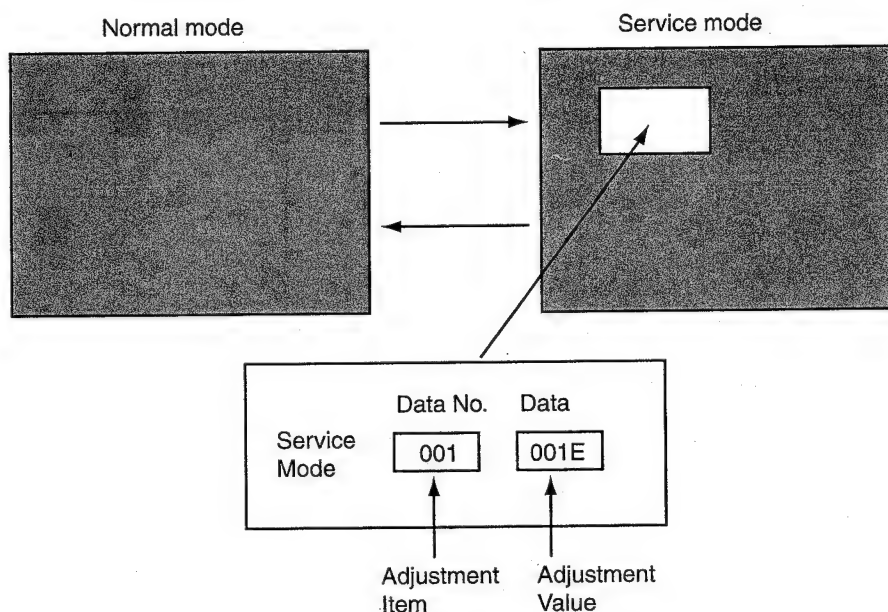
To enter the "Service Mode", press the **MENU** and **NORMAL** button on the projector and hold for 3 seconds.

To adjust service data

Select the adjustment item by pressing the pointer \odot or \ominus button, and change the value by pressing the **VOLUME** \oplus or **VOLUME** \ominus button. Refer to the service adjustment data table on next page for further information.

To return to the normal mode

To return to the "Normal mode", press the **POWER ON-OFF** button on the projector or remote control unit.



● Memory IC Replacement

IC806 and IC807 store the data for the service adjustments, and should not be replaced except for the case of defective product.

If replaced, it should be performed the re-adjustments following to the "Electrical Adjustments".

IC806 stores the data for the white uniformity compensation adjustment. IC807 stores the data for all service adjustments without IC806 stored.

The lamp life remaining time is stored in the IC807, and it can be confirmed at the data no. 37 of service mode. Please note that the lamp life remaining time is reset to the default value when the memory IC (IC807) is replaced.

(Lamp life remaining time can not be set to the previous value.)

● Caution to memory IC replacement

When IC806 or IC807 is replaced with new one, the CPU writes down the default data of the service adjustments to the ICs, refer to the service adjustment table.

As these data are not the same data as factory shipped data, it should be required to perform the re-adjustments following to the "Electrical Adjustments".

Please note that the lamp life remaining time is reset to the default value.

● Caution of Main Board replacement (in the case IC806 or IC807 is not damaged)

When the main board is replaced, IC806 and IC807 should be replaced with the one on previous main board. After replacement, it should be required to perform the re-adjustments following to the "Electrical Adjustments".

In this case, the lamp life remaining time and the white uniformity compensation data can be kept the value as before.

● Service Adjustment Data Table

The initial value is the reference data writing to the memory IC by the CPU ROM when the memory IC replacing. The Adjustment item which is indicated with "*" is required to readjusted in the "Electrical adjustments". Other items should be used in the initial data value.

| No. | Adjustment Item | Initial Value | | | | Range | Description |
|-----|--------------------------------|---------------|--------------|--------|--------------|-------------|--|
| 000 | DAC RED CENTER | 007F * | | | | 0000 ~ 00FE | * R-DC adjustment |
| 001 | DAC GREEN CENTER | 007F * | | | | 0000 ~ 00FE | * G-DC adjustment |
| 002 | DAC BLUE CENTER | 007F * | | | | 0000 ~ 00FE | * B-DC adjustment |
| 003 | PSIG1 | 0060 * | | | | 0000 ~ 00FF | * PSIG adjustment |
| 004 | PSIG2 | 0090 * | | | | 0000 ~ 00FF | * PSIG adjustment |
| 005 | D-G RED Sub-Bright for PC | FFF0 * | | | | FC00 ~ 03FF | Digital-Gamma Red Sub-Bright, * R-Pedestal adjustment-[CG] |
| 006 | D-G RED Sub-Gain for PC | 0043 * | | | | 0000 ~ 00FF | Digital-Gamma Red Sub-Gain, * R-Gain adjustment-[CG] |
| 007 | D-G GREEN Sub-Bright for PC | FFF0 * | | | | FC00 ~ 03FF | Digital-Gamma Green Sub-Bright, * G-Pedestal adjustment-[CG] |
| 008 | D-G GREEN Sub-Gain for PC | 0043 * | | | | 0000 ~ 00FF | Digital-Gamma Green Sub-Gain, * G-Gain adjustment-[CG] |
| 009 | D-G BLUE Sub-Bright for PC | FFF0 * | | | | FC00 ~ 03FF | Digital-Gamma Blue Sub-Bright, * B-Pedestal adjustment-[CG] |
| 00A | D-G BLUE Sub-Gain for PC | 0043 * | | | | 0000 ~ 00FF | Digital-Gamma Blue Sub-Gain, * B-Gain adjustment-[CG] |
| 00B | D-G RED Sub-Bright for AV | FFF0 * | | | | FC00 ~ 03FF | Digital-Gamma Red Sub-Bright, * R-Pedestal adjustment-[AV] |
| 00C | D-G RED Sub-Gain for AV | 0043 * | | | | 0000 ~ 00FF | Digital-Gamma Red Sub-Gain, * R-Gain adjustment-[AV] |
| 00D | D-G GREEN Sub-Bright for AV | FFF0 * | | | | FC00 ~ 03FF | Digital-Gamma Green Sub-Bright, * G-Pedestal adjustment-[AV] |
| 00E | D-G GREEN Sub-Gain for AV | 0043 * | | | | 0000 ~ 00FF | Digital-Gamma Green Sub-Gain, * G-Gain adjustment-[AV] |
| 00F | D-G BLUE Sub-Bright for AV | FFF0 * | | | | FC00 ~ 03FF | Digital-Gamma Blue Sub-Bright, * B-Pedestal adjustment-[AV] |
| 010 | D-G BLUE Sub-Gain for AV | 0043 * | | | | 0000 ~ 00FF | Digital-Gamma Blue Sub-Gain, * B-Gain adjustment-[AV] |
| 011 | D-G GREEN Gamma Gain PC | 007F * | | | | | * G-Video adjustment-[CG] |
| 012 | D-G GREEN Gamma Bright PC | 03FF * | | | | | * G-Video adjustment-[CG] |
| 013 | D-G RED Gamma Gain PC | 007F * | | | | | * R-Video adjustment-[CG] |
| 014 | D-G RED Gamma Bright PC | 03FF * | | | | | * R-Video adjustment-[CG], * White balance adjustment-[CG] |
| 015 | D-G BLUE Gamma Gain PC | 007F * | | | | | * B-Video adjustment-[CG] |
| 016 | D-G BLUE Gamma Bright PC | 03FF * | | | | | * B-Video adjustment-[CG], * White balance adjustment-[CG] |
| 017 | D-G GREEN Gamma Gain AV | 007F * | | | | | * G-Video adjustment-[AV] |
| 018 | D-G GREEN Gamma Bright AV | 03FF * | | | | | * G-Video adjustment-[AV] |
| 019 | D-G RED Gamma Gain AV | 007F * | | | | | * R-Video adjustment-[AV] |
| 01A | D-G RED Gamma Bright AV | 03FF * | | | | | * R-Video adjustment-[AV], * White balance adjustment-[AV] |
| 01B | D-G BLUE Gamma Gain AV | 007F * | | | | | * B-Video adjustment-[AV] |
| 01C | D-G BLUE Gamma Bright AV | 03FF * | | | | | * B-Video adjustment-[AV], * White balance adjustment-[AV] |
| 01D | DAC RED DLYCNT | 00F3 | | | | 0000 ~ 00FF | |
| 01E | DAC GREEN DLYCNT | 00F3 | | | | 0000 ~ 00FF | |
| 01F | DAC BLUE DLYCNT | 00F3 | | | | 0000 ~ 00FF | |
| 020 | DAC RED COM | 0020 * | | | | 0000 ~ 00FF | * R-Common Centre adjustment |
| 021 | DAC GREEN COM | 0020 * | | | | 0000 ~ 00FF | * G-Common Centre adjustment |
| 022 | DAC BLUE COM | 0020 * | | | | 0000 ~ 00FF | * B-Common Centre adjustment |
| | | AV | AV(Inverted) | CG | CG(Inverted) | | |
| 023 | DAC RED OFFSET | 00C0 * | 00C0 | 00C0 * | 00C0 | 0000 ~ 00FF | * R-Offset adjustment-[AV] |
| 024 | DAC GREEN OFFSET | 00C0 * | 00C0 | 00C0 * | 00C0 | 0000 ~ 00FF | * G-Offset adjustment-[AV] |
| 025 | DAC BLUE OFFSET | 00C0 * | 00C0 | 00C0 * | 00C0 | 0000 ~ 00FF | * B-Offset adjustment-[AV] |
| 026 | | | | | | | |
| 027 | VCO Frequency Range-1 Set | 0130 | | | | | Dot Clock setting for PSD=3, PFD=5, Fbk_Sel=1 |
| 028 | VCO Frequency Range-2 Set | 0285 | | | | | Dot Clock setting for PSD=3, PFD=6, Fbk_Sel=1 |
| 029 | VCO Frequency Range-3 Set | 0295 | | | | | Dot Clock setting for PSD=3, PFD=7, Fbk_Sel=1 |
| 02A | VCO Frequency Range-4 Set | 0380 | | | | | Dot Clock setting for PSD=2, PFD=6, Fbk_Sel=1 |
| 02B | VCO Frequency Range-5 Set | 0440 | | | | | Dot Clock setting for PSD=2, PFD=7, Fbk_Sel=1 |
| 02C | VCO Frequency Range-6 Set | 1200 | | | | | Dot Clock setting for PSD=1, PFD=6, Fbk_Sel=1 |
| 02D | VCO Frequency Range-7 Set | 1340 | | | | | Dot Clock setting for PSD=1, PFD=7, Fbk_Sel=1 |
| 02E | VCO Frequency Range-8 Set | 2200 | | | | | Dot Clock setting for PSD=0, PFD=6, Fbk_Sel=0 |
| 02F | Auto Image Input Level Setting | 0070 | | | | 0000 ~ 00FF | Decide Input signal level for Auto Image operation |
| 030 | DVCO | 0D30 * | | | | | VCO Default Adjustment of VPC (Auto tuning), * DVCO adjustment |
| 031 | ondo_sw | 0000 | | | | | Auto Image |
| 032 | ondo_keisuu | 0000 | | | | | Auto Image |
| 033 | ondo_now | -- | | | | | Auto Image (monitor only) |
| 034 | ondo_fsync | -- | | | | | Auto Image (monitor only) |
| | | COMPUTER | | VIDEO | | | |
| 035 | H Filter Look Up Table | 0001 | | | | 0 ~ 9 | |
| 036 | V Filter Look Up Table | 0001 | | | | 0 ~ 9 | |
| 037 | Lamp Life Remaining Time | 1000 | | | | -- | Read Only (Remaining time to the End of Lamp Life in hours) |
| 038 | | | | | | | |
| 039 | NEC Gate Array Gamma A | 00C0 | | | | 00C0 | |
| 03A | NEC Gate Array Gamma B | 0060 | | | | 0060 | |

Electrical Adjustments

| No. | Adjustment Item | Initial Value | | Range | Description |
|-----|-----------------------------------|--------------------------|----------------|--------------|---|
| 03B | NEC Gate Array Gamma C | 0020 | 0020 | | |
| 03C | NEC Gate Array Contrast Ref. | 0000 | 0000 | | |
| 03D | NEC Gate Array Contrast Data | 0000 | 0000 | | |
| 03E | NEC Gate Array Brightness Data | DFA4 | 0000 | | |
| 03F | NEC Gate Array Sharpness Data | Less than XGA Cmp =0000 | -- | | Effective only Computer Mode (It operates as sharpness when Video Mode) |
| | | Less than XGA True =0000 | | | |
| | | Less than XGA Exp =0003 | | | |
| | | SXGA Cmp =0005 | | | |
| | | SXGA True =0001 | | | |
| | | SXGA Exp =0005 | | | |
| | | UXGA Cmp =000B | | | |
| | | UXGA True =0001 | | | |
| | | UXGA Exp =0003 | | | |
| | | D I/F Compress =0005 | | | |
| | | D I/F True =0000 | | | |
| | | D I/F Expand =0005 | | | |
| | | RGB =000A | | | |
| | | HDTV =0000 | | | |
| | | VPC-In | CIP Y/Cr/Cb-In | CIP R/G/B-In | |
| | | 525Line | 625Line | 525Line | 625Line |
| 040 | AV Normal Horiz. Zoom | 006F | 0076 | 006D | 007F |
| 041 | AV Normal Vert. Zoom | 00A6 | 008C | 00A4 | 0089 |
| 042 | AV Normal H Position | 0041 | 0021 | 0032 | 002E |
| 043 | AV Normal V Position | 0022 | 0031 | 001A | 0025 |
| 044 | AV Normal H Blanking Start | 0054 | 0054 | 0052 | 0051 |
| 045 | AV Normal H Blanking End | 024A | 024B | 024C | 024D |
| 046 | AV Normal V Blanking Start | 000D | 000F | 0013 | 0012 |
| 047 | AV Normal V Blanking End | 0306 | 0305 | 0303 | 02F9 |
| 048 | AV Wide Mode Horiz. Zoom | 006F | 0077 | 006E | 0080 |
| 049 | AV Wide Mode Vert. Zoom | 0079 | 006A | 007B | 006A |
| 04A | AV wide Mode H Position | 0041 | 0028 | 0032 | 0033 |
| 04B | AV Wide Mode V Position | 0014 | 0014 | 000F | 000F |
| 04C | AV Wide Mode H Blanking Start | 0053 | 0052 | 0078 | 0052 |
| 04D | AV Wide Mode H Blanking End | 024C | 024C | 0276 | 024C |
| 04E | AV Wide Mode V Blanking Start | 0074 | 0073 | 0055 | 0070 |
| 04F | AV Wide Mode V Blanking End | 02A4 | 02AF | 02A6 | 02AD |
| 050 | AV/RGB IN H-Blanking Set Offset | | 0000 | | |
| 051 | AV/RGB IN H-Blanking Reset Offset | | 0000 | | |
| 052 | | | -- | | |
| 053 | | | -- | | |
| 054 | | | -- | | |
| 055 | | | -- | | |
| 056 | RS232C Waiting Time | | 0006 | | 2 ~ 25 |
| 057 | Logo Mark Display Setting | | 0001 | | 0 or 1 |
| 058 | Shootout Setting | | 0000 | | 0 ~ 3 |
| 059 | | | -- | | |
| 05A | Lamp Option Data | | 1000 | | |
| 05B | RS232C Bit Rate Option | | 0001 | | 0 or 1 |
| 05C | NOR PRG Control | | 0000 | | 0000=9600, 0001=19200 |
| 05D | AV Option Data | | 0000 | | 0 or 1 |
| 05E | | | -- | | 0000=AV Exist, 0001=No AV mode |
| 05F | Position S&H Adjusting Bar(Temp) | | 0006 | | |
| | | SXGA | UXGA | OTHER | |
| 060 | ICS1523 No.1 DPA Offset | 003E | 002E | 0000 | Effective only DIF Input |
| 061 | ICS1523 No.1 DPA Control | 0000 | 0000 | 0000 | Effective only DIF Input |
| 062 | ICS1523 No.1 Phase Detector Gain | | 0006 | | |
| 063 | ICS1523 No.1 Post Scalar Divider | | 0002 | | |
| 064 | ICS1523 No.2 Input Control | | 00C3 | | |
| 065 | ICS1523 No.2 Loop Control | | 0007 | | |
| 066 | ICS1523 No.2 FdBk Div 0 | | 005C | | |
| 067 | ICS1523 No.2 FdBk Div 1 | | 0000 | | |
| 068 | ICS1523 No.2 DPA Offset | | 0000 | | |
| 069 | ICS1523 No.2 DPA Control | | 0000 | | |
| 06A | ICS1523 No.2 Output Enables | | 003F | | |
| 06B | ICS1523 No.2 Osc Div | | 00E2 | | |
| 06C | ICS1523 No.2 Reset | | 005A | | |
| 06D | ICS1523 No.3 Input Control | | 0037 | | |

Electrical Adjustments

| No. | Adjustment Item | Initial Value | | | | | | Range | Description |
|-----|-----------------------------|---------------|---------|----------------|-----------|--------------|---------|--------------|---------------------------------------|
| 06E | ICS1523 No.3 Loop Control | 0012 | | | | | | | |
| 06F | ICS1523 No.3 FdBk Div 0 | 00B8 | | | | | | | |
| 070 | ICS1523 No.3 FdBk Div 1 | 000C | | | | | | | |
| 071 | ICS1523 No.3 DPA Offset | 00B2 | | | | | | | |
| 072 | ICS1523 No.3 DPA Control | 0000 | | | | | | | |
| 073 | ICS1523 No.3 Output Enables | 001F | | | | | | | |
| 074 | ICS1523 No.3 Osc Div | 0000 | | | | | | | |
| 075 | ICS1523 No.2 Reset | 0059 | | | | | | | |
| 076 | | -- | | | | | | | |
| | | VPC-In | | CIP Y/Cr/Cb-In | | CIP R/G/B-In | | | |
| | | 525Line | 625Line | 525Line | 625Line | 525Line | 625Line | | |
| 077 | Progressive Scan PDH_HBLKS | 0395 | 035E | 0390 | 02FE | 03AA | 0350 | | |
| 078 | Progressive Scan PDI_HBLKE | 0566 | 04AB | 054D | 04C1 | 0575 | 0503 | | |
| 079 | Progressive Scan PDJ_VBLKS | 01FA | 025A | 01F3 | 025A | 01F7 | 0257 | | |
| 07A | Progressive Scan PDK_VBLKE | 0029 | 003B | 0026 | 002F | 0026 | 0032 | | |
| 07B | Progressive Scan ON/OFF Set | 0001 | | | | | | 0000 or 0001 | 0000=Prog.Scan OFF, 0001=Prog.Scan ON |
| | | HDTV | | | U.S. HDTV | | | | |
| 07C | HDTV Total Dot | 0496 | | | 0496 | | | 0000 ~ 270F | Initial value=1466 |
| 07D | HDTV Vertical Scale | 0070 | | | 0070 | | | 0000 ~ 0C80 | Initial Value=1.25 |
| 07E | HDTV H-Position | 0071 | | | 0071 | | | -> | 0000 ~ Total Dots - 10 |
| 07F | HDTV V-Center Position | 006C | | | 006C | | | 0000 ~ 03FF | |
| 080 | HDTV H BLANK Start | 004F | | | 004F | | | 0000 ~ 03FF | |
| 081 | HDTV H BLANK End | 024D | | | 024D | | | 0000 ~ 03FF | |
| 082 | HDTV V BLANK Start | 0064 | | | 0064 | | | 0000 ~ 03FF | |
| 083 | HDTV V BLANK End | 02B0 | | | 02B0 | | | 0000 ~ 07FF | |
| 084 | HDTV V-Position | 000E | | | FFFD | | | -> | 0000 ~ Total Line - 10 |
| 085 | Progressive Scan PDO_HENS | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | | |
| 086 | Progressive Scan PDO_HENR | 0400 | 03B2 | 0401 | 03B2 | 0401 | 03B2 | | |
| 087 | Progressive Scan PDP_VENS | 001C | 0029 | 001C | 0034 | 001C | 0034 | | |
| 088 | Progressive Scan PDP_VENR | 01FF | 025C | 01FE | 025A | 01FE | 025A | | |
| 089 | | -- | | | | | | | |
| 08A | | -- | | | | | | | |
| 08B | | -- | | | | | | | |
| 08C | | -- | | | | | | | |
| 08D | | -- | | | | | | | |
| 08E | | -- | | | | | | | |
| 08F | | -- | | | | | | | |
| 090 | | -- | | | | | | | |
| 091 | | -- | | | | | | | |
| 092 | | -- | | | | | | | |
| 093 | | -- | | | | | | | |
| 094 | | -- | | | | | | | |
| 095 | | -- | | | | | | | |
| 096 | | -- | | | | | | | |
| 097 | | -- | | | | | | | |
| 098 | | -- | | | | | | | |
| 099 | | -- | | | | | | | |
| 09A | | -- | | | | | | | |
| 09B | | -- | | | | | | | |
| 09C | | -- | | | | | | | |
| 09D | | -- | | | | | | | |
| 09E | | -- | | | | | | | |
| 09F | | -- | | | | | | | |
| 0A0 | | -- | | | | | | | |
| 0A1 | | -- | | | | | | | |
| 0A2 | | -- | | | | | | | |
| 0A3 | | -- | | | | | | | |
| 0A4 | | -- | | | | | | | |
| 0A5 | | -- | | | | | | | |
| 0A6 | | -- | | | | | | | |
| 0A7 | | -- | | | | | | | |
| ↓ | Omitted | Omitted | | | | | | | |
| 0BC | | -- | | | | | | | |
| 0BD | | -- | | | | | | | |

Electrical Adjustments

| No. | Adjustment Item | Initial Value | | | | | | Range | Description |
|-----|-----------------|---------------|---------|----------------|---------|--------------|---------|--------------|---|
| | | VPC-In | | CIP Y/Cr/Cb-In | | CIP R/G/B-In | | | |
| | | 525Line | 625Line | 525Line | 625Line | 525Line | 625Line | | |
| 0BE | CIP noissu | 0001 | 0001 | 0001 | 0001 | 0000 | 0000 | | |
| 0BF | CIP noissv | 0001 | 0001 | 0001 | 0001 | 0000 | 0000 | | |
| 0C0 | CIP noissy | 0001 | 0001 | 0001 | 0001 | 0000 | 0000 | | |
| 0C1 | CIP satu | 0024 | 0024 | 0024 | 0024 | 0018 | 0018 | | |
| 0C2 | CIP satv | 0027 | 0024 | 0027 | 0024 | 001F | 001F | | |
| 0C3 | CIP saty | 001B | 001C | 0029 | 0029 | 002C | 002C | | |
| 0C4 | CIP bry | 00F8 | 00F7 | 00F7 | 00F7 | 00F7 | 00F7 | | |
| 0C5 | CIP CBSON | -- | | | | | | 0000 or 0001 | CBSON bit monitor of CIP3250A 0000=VPC, 0001=YUV or RGB |
| 0C6 | CIP SMODE | 0001 | | 0001 | | 0001 | | | |
| 0C7 | CIP clsel | 0001 | | 0001 | | 0001 | | | |
| 0C8 | VPC xick | 0000 | | | | | | | |
| 0C9 | CIP SKWON | 0001 | | | | | | | |
| 0CA | CIP lpfium | 0000 | | | | | | | |
| 0CB | CIP cylum1 | 0000 | | | | | | | |
| 0CC | CIP cylum2 | 0000 | | | | | | | |
| 0CD | CIP cychr1 | 0000 | | | | | | | |
| 0CE | CIP cychr2 | 0000 | | | | | | | |
| 0CF | CIP lpfchr | 0000 | | | | | | | |
| 0D0 | CIP se_4_8q | 0000 | | | | | | | |
| 0D1 | CIP selamp | 0000 | | | | | | | |
| 0D2 | CIP dl1on | 0001 | | | | | | | |
| 0D3 | CIP cdel | 000 | | 0000 | | 0000 | | | |
| 0D4 | CIP ydel | 0000 | | | | | | | |
| 0D5 | CIP clpstrt | 0015 | 0029 | -- | -- | -- | -- | | |
| 0D6 | CIP clpstop | 0034 | 0046 | -- | -- | -- | -- | | |
| 0D7 | CIP skewlat | 0000 | | | | | | | |
| 0D8 | CIP DL2 | 0048 | | | | | | | |
| 0D9 | CIP fbl | 0000 | | | | | | | |
| 0DA | | -- | | | | | | | |
| 0DB | VPC sgain | 001A | | | | | | | |
| 0DC | VPC avopre | 0000 | | | | | | | |
| 0DD | VPC cmode | 0000 | | | | | | | |
| 0DE | VPC lmode | 0000 | | | | | | | |
| 0DF | VPC colbaren | 0000 | | | | | | | |
| 0E0 | VPC hplimd | 0003 | 0003 | 0001 | 0001 | 0001 | 0001 | | |
| 0E1 | VPC vpk | 0004 | | | | | | | |
| 0E2 | VPC vdg | 0002 | | | | | | | |
| 0E3 | VPC hdg | 0003 | | | | | | | |
| 0E4 | VPC ddr | 0000 | | | | | | | |
| 0E5 | VPC hlpgain | 0313 | | | | | | | |
| 0E6 | VPC uoffs | 0040 | | | | | | | |
| 0E7 | VPC cor | 0000 | | | | | | | |
| 0E8 | VPC llc_offset | 0000 | | | | | | | |
| 0E9 | VPC sub_tint | FFFA | | | | | | | |
| | | PAL | SECAM | NT433 | NTSC | PALM | PALN | | |
| 0EA | VPC cbw | 0003 | 0002 | 0002 | 0003 | 0002 | 0002 | | |
| 0EB | VPC ifc | 0001 | 0003 | 0000 | 0000 | 0001 | 0001 | | |
| 0EC | VPC ldiy | 0001 | FFFC | 0000 | 0002 | 0000 | FFFF | | |
| 0ED | VPC nosel | 0000 | 0001 | 0002 | 0003 | 0002 | 0003 | | |
| 0EE | VPC kilvl | 0010 | 0010 | 0010 | 0008 | 0010 | 0010 | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | VPC-In | | CIP Y/Cr/Cb-In | | CIP R/G/B-In | | | |
| | | 525Line | 625Line | 525Line | 625Line | 525Line | 625Line | | |
| 0EF | VPC linlen | 047F | 03FF | -- | -- | -- | -- | | |
| 0F0 | VPC newlin | 0082 | 0040 | -- | -- | -- | -- | | |
| 0F1 | VPC hcstrt | 0000 | 0000 | 001F | 0000 | 0000 | 0000 | | |
| 0F2 | VPC hcstop | 0065 | 0051 | 004B | 0058 | 0039 | 002E | | |
| 0F3 | VPC avstrt | 006E | 006F | -- | -- | -- | -- | | |
| 0F4 | VPC avstop | 047B | 03FD | -- | -- | -- | -- | | |
| 0F5 | VPC vsdel | 0000 | 0000 | -- | -- | -- | -- | | |
| 0F6 | VPC flim | 03C3 | 03C3 | -- | -- | -- | -- | | |
| 0F7 | VPC llc_start | 0FF6 | 0FF6 | -- | -- | -- | -- | | |
| 0F8 | VPC llc_stop | 0004 | 0004 | -- | -- | -- | -- | | |
| 0F9 | VPC llc_dflimit | 0036 | 0036 | -- | -- | -- | -- | | |

Electrical Adjustments

| No. | Adjustment Item | Initial Value | | | | | | Range | Description |
|-----|-----------------------------|---------------|---------|----------------|---------|--------------|---------|-------|-------------|
| | | VPC-In | | CIP Y/Cr/Cb-In | | CIP R/G/B-In | | | |
| | | 525Line | 625Line | 525Line | 625Line | 525Line | 625Line | | |
| 0FA | VPC ilc_clockh | 002A | 0FDE | -- | -- | -- | -- | | |
| 0FB | VPC ilc_clockh | 0AAB | 0D08 | -- | -- | -- | -- | | |
| 0FC | VPC ilc_clockl | 0003 | 0003 | -- | -- | -- | -- | | |
| 0FD | VPC asr | | | -- | | | | | Read Only |
| 0FE | VPC noise | | | -- | | | | | Read Only |
| 0FF | VPC nlpf | | | -- | | | | | Read Only |
| 100 | Gamma Red point 0 for PC | | | 0000 | | | | | |
| 101 | Gamma Red point 1 for PC | | | 0330 | | | | | |
| 102 | Gamma Red point 2 for PC | | | 0484 | | | | | |
| 103 | Gamma Red point 3 for PC | | | 0620 | | | | | |
| 104 | Gamma Red point 4 for PC | | | 0700 | | | | | |
| 105 | Gamma Red point 5 for PC | | | 0750 | | | | | |
| 106 | Gamma Red point 6 for PC | | | 0790 | | | | | |
| 107 | Gamma Red point 7 for PC | | | 0826 | | | | | |
| 108 | Gamma Red point 8 for PC | | | 0853 | | | | | |
| 109 | Gamma Red point 9 for PC | | | 0879 | | | | | |
| 10A | Gamma Red point 10 for PC | | | 0940 | | | | | |
| 10B | Gamma Red point 11 for PC | | | 1023 | | | | | |
| 10C | Gamma Green point 0 for PC | | | 0000 | | | | | |
| 10D | Gamma Green point 1 for PC | | | 0330 | | | | | |
| 10E | Gamma Green point 2 for PC | | | 0484 | | | | | |
| 10F | Gamma Green point 3 for PC | | | 0620 | | | | | |
| 110 | Gamma Green point 4 for PC | | | 0700 | | | | | |
| 111 | Gamma Green point 5 for PC | | | 0750 | | | | | |
| 112 | Gamma Green point 6 for PC | | | 0790 | | | | | |
| 113 | Gamma Green point 7 for PC | | | 0826 | | | | | |
| 114 | Gamma Green point 8 for PC | | | 0853 | | | | | |
| 115 | Gamma Green point 9 for PC | | | 0879 | | | | | |
| 116 | Gamma Green point 10 for PC | | | 0940 | | | | | |
| 117 | Gamma Green point 11 for PC | | | 1023 | | | | | |
| 118 | Gamma Blue point 0 for PC | | | 0000 | | | | | |
| 119 | Gamma Blue point 1 for PC | | | 0330 | | | | | |
| 11A | Gamma Blue point 2 for PC | | | 0484 | | | | | |
| 11B | Gamma Blue point 3 for PC | | | 0620 | | | | | |
| 11C | Gamma Blue point 4 for PC | | | 0700 | | | | | |
| 11D | Gamma Blue point 5 for PC | | | 0750 | | | | | |
| 11E | Gamma Blue point 6 for PC | | | 0790 | | | | | |
| 11F | Gamma Blue point 7 for PC | | | 0826 | | | | | |
| 120 | Gamma Blue point 8 for PC | | | 0853 | | | | | |
| 121 | Gamma Blue point 9 for PC | | | 0879 | | | | | |
| 122 | Gamma Blue point 10 for PC | | | 0940 | | | | | |
| 123 | Gamma Blue point 11 for PC | | | 1023 | | | | | |
| 124 | Gamma Red point 0 for AV | | | 0000 | | | | | |
| 125 | Gamma Red point 1 for AV | | | 0246 | | | | | |
| 126 | Gamma Red point 2 for AV | | | 0420 | | | | | |
| 127 | Gamma Red point 3 for AV | | | 0552 | | | | | |
| 128 | Gamma Red point 4 for AV | | | 0658 | | | | | |
| 129 | Gamma Red point 5 for AV | | | 0728 | | | | | |
| 12A | Gamma Red point 6 for AV | | | 0776 | | | | | |
| 12B | Gamma Red point 7 for AV | | | 0810 | | | | | |
| 12C | Gamma Red point 8 for AV | | | 0844 | | | | | |
| 12D | Gamma Red point 9 for AV | | | 0878 | | | | | |
| 12E | Gamma Red point 10 for AV | | | 0932 | | | | | |
| 12F | Gamma Red point 11 for AV | | | 1023 | | | | | |
| 130 | Gamma Green point 0 for AV | | | 0000 | | | | | |
| 131 | Gamma Green point 1 for AV | | | 0246 | | | | | |
| 132 | Gamma Green point 2 for AV | | | 0420 | | | | | |
| 133 | Gamma Green point 3 for AV | | | 0552 | | | | | |
| 134 | Gamma Green point 4 for AV | | | 0652 | | | | | |
| 135 | Gamma Green point 5 for AV | | | 0728 | | | | | |
| 136 | Gamma Green point 6 for AV | | | 0776 | | | | | |
| 137 | Gamma Green point 7 for AV | | | 0810 | | | | | |
| 138 | Gamma Green point 8 for AV | | | 0844 | | | | | |
| 139 | Gamma Green point 9 for AV | | | 0878 | | | | | |
| 13A | Gamma Green point 10 for AV | | | 0932 | | | | | |

Electrical Adjustments

| No. | Adjustment Item | Initial Value | | | | | | Range | Description |
|-----|-----------------------------|---------------|---------|----------------|---------|--------------|---------|-------------|--|
| 13B | Gamma Green point 11 for AV | 1023 | | | | | | | |
| 13C | Gamma Blue point 0 for AV | 0000 | | | | | | | |
| 13D | Gamma Blue point 1 for AV | 0246 | | | | | | | |
| 13E | Gamma Blue point 2 for AV | 0420 | | | | | | | |
| 13F | Gamma Blue point 3 for AV | 0552 | | | | | | | |
| 140 | Gamma Blue point 4 for AV | 0658 | | | | | | | |
| 141 | Gamma Blue point 5 for AV | 0728 | | | | | | | |
| 142 | Gamma Blue point 6 for AV | 0776 | | | | | | | |
| 143 | Gamma Blue point 7 for AV | 0810 | | | | | | | |
| 144 | Gamma Blue point 8 for AV | 0844 | | | | | | | |
| 145 | Gamma Blue point 9 for AV | 0878 | | | | | | | |
| 146 | Gamma Blue point 10 for AV | 0932 | | | | | | | |
| 147 | Gamma Blue point 11 for AV | 1023 | | | | | | | |
| 148 | | -- | | | | | | | |
| ↓ | Omitted | Omitted | | | | | | | |
| 150 | | -- | | | | | | | |
| | | VPC-In | | CIP Y/Cr/Cb-In | | CIP R/G/B-In | | | |
| | | 525Line | 625Line | 525Line | 625Line | 525Line | 625Line | | |
| 151 | AVHSTRT | 0015 | 0014 | 001E | 001E | 001E | 001E | 0000 ~ 00FF | CIP AVO start |
| 152 | AVHLEN | 008A | 007A | 008D | 007E | 008D | 007C | 0000 ~ 00FF | CIP AVO length from start |
| 153 | | -- | | | | | | | |
| 154 | | -- | | | | | | | |
| 155 | | -- | | | | | | | |
| 156 | | -- | | | | | | | |
| 157 | SDTMOD + SDT | -- | | | | | | | No EPROM Writing |
| 158 | Chorma accu h | -- | | | | | | | Read only |
| 159 | | -- | | | | | | | |
| 15A | | -- | | | | | | | |
| 15B | | -- | | | | | | | |
| 15C | | -- | | | | | | | |
| 15D | | -- | | | | | | | |
| 15E | | -- | | | | | | | |
| 15F | | -- | | | | | | | |
| 160 | TC9090 VENH | 0004 | | | | | | | |
| 161 | VPC XLCK OFF | 000B | | | | | | | |
| 162 | VPC SCINCL | 1152 or 1296 | | | | | | 1024 ~ 4095 | |
| 163 | | -- | | | | | | | |
| 164 | | -- | | | | | | | |
| 165 | | -- | | | | | | | |
| 166 | cool_time | 005A | | | | | | | Cooling time setting |
| 167 | test_ptn | 0000 | | | | | | | Test pattern display |
| 168 | cbal | 0000 | | | | | | | |
| 169 | cbal_reset | 0000 * | | | | | | | *: White uniformity adjustment, Compensation data initialisation. |
| 16A | cbal_opt | 000F | | | | | | | timming 0 |
| 16B | cbal_opt | 000C | | | | | | | timming 1 |
| 16C | cbal_opt | 0044 | | | | | | | timming 2 |
| 16D | cbal_opt | 0011 | | | | | | | timming 3 |
| 16E | cbal_opt | 0003 | | | | | | | timming 4 |
| 16F | cbal_opt | 0001 | | | | | | | timming 5 |
| 170 | cbal_opt | 003F | | | | | | | timming 6 |
| 171 | cbal_opt | 0040 | | | | | | | timming 7 |
| 172 | cbal_opt | 00FA * | | | | | | | timming 8 *: White uniformity adjustment, Compensation mode On/Off |
| 173 | cbal_opt | 0020 | | | | | | | timming 9 |
| 174 | cbal_edge | 0020 | | | | | | | Left Red |
| 175 | cbal_edge | 0020 | | | | | | | Left Green |
| 176 | cbal_edge | 0020 | | | | | | | Left Blue |
| 177 | cbal_edge | 0020 | | | | | | | Right Red |
| 178 | cbal_edge | 0020 | | | | | | | Right Green |
| 179 | cbal_edge | 0020 | | | | | | | Right Blue |
| 17A | DACR | 00B0 * | | | | | | | Red *: R-Offset adjustment-[CG] |
| 17B | DACG | 00B0 * | | | | | | | Green *: G-Offset adjustment-[CG] |
| 17C | DACB | 00B0 * | | | | | | | Blue *: B-Offset adjustment-[CG] |
| 17D | dgrma_tg_data_select | 0000 | | | | | | 0 or 1 | |

● Circuit Adjustments

CAUTION: The each circuit has been made by the fine adjustment at factory. Do not attempt to adjust the following adjustments except requiring the readjustments in servicing otherwise it may cause loss of performance and product safety.

[Adjustment Condition]

- Input signal
 - Video signal ----- 1.0Vp-p/75Ω terminated, 16 steps gray scale or color bar pattern
 - Computer signal ----- 0.7Vp-p/75Ω terminated, 16 steps gray scale pattern
- Picture control mode ----- "NORMAL" mode unless otherwise noted.

Note: Please refer to "Service Adjustment" for entering to the service mode and adjusting the service data.

OUTPUT VOLTAGE ADJUSTMENT

After replacing the Power Board, readjust the Output voltage adjustment as follows.

1. Connect a digital voltmeter to pins 1 (+) and 3 (-) of K6D.
2. Adjust the voltage by using VR671 as following.

| AC Input | Reading |
|----------|----------|
| 230V | 370V ±2V |
| 120V | 320V ±2V |

Caution:

Be sure to connect the lamp when taking this adjustment.

+6V ADJUSTMENT

1. Receive the 16-step gray scale video signal.
2. Set to **VIDEO** mode.
3. Connect a digital voltmeter to pin 2 (+) of K6E and chassis ground (-).
4. Adjust voltage to 6.2 ±0.1V by using VR662.

+15V ADJUSTMENT

1. Receive the 16-step gray scale video signal.
2. Set to **VIDEO** mode.
3. Connect a digital voltmeter to pin 5 (+) of K6E and chassis ground (-).
4. Adjust voltage to 15.6 ±0.1V by using VR661.

+12V ADJUSTMENT

1. Receive the 16-step gray scale video signal.
2. Set to **VIDEO** mode.
3. Connect a digital voltmeter to pin 5 (+) of K6J and chassis ground (-).
4. Adjust voltage to 12.0 ±0.1V by using VR681.

DVCO ADJUSTMENT

1. Receive the NTSC color bar video signal.
2. Set to **VIDEO** mode.
3. Enter to the service mode, select data no. "030" and change data value upward or downward. Confirm that the data value automatically change and stay a certain value.

DC ADJUSTMENT

Presetting

1. Receive the 16-step gray scale computer signal.
2. Set to **COMPUTER** mode.

[R-DC ADJUSTMENT]

3. Connect a digital voltmeter to test point "TP2511" (+) and chassis ground (-).
4. Enter to the service mode, select data no. "000" and change data value to adjust voltage to 7.0 ±0.1V.

[G-DC ADJUSTMENT]

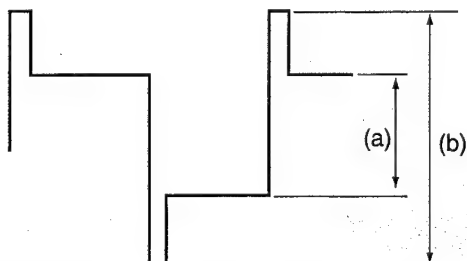
5. Connect a digital voltmeter to test point "TP2512" (+) and chassis ground (-).
6. Enter to the service mode, select data no. "001" and change data value to adjust voltage to 7.0 ±0.1V.

[B-DC ADJUSTMENT]

7. Connect a digital voltmeter to test point "TP2513" (+) and chassis ground (-).
8. Enter to the service mode, select data no. "002" and change data value to adjust voltage to 7.0 ±0.1V.

PSIG ADJUSTMENT

1. Receive the 16-step gray scale computer signal.
2. Set to **COMPUTER** mode.
3. Connect an oscilloscope to test point "TP581" (+) and chassis ground (-).
4. Enter to the service mode, Select data no. "004" and change data value to adjust "a" to be $3.8 \pm 0.1V_{p-p}$.
5. Select data no. "003" and change data value to adjust "b" to be $10.0 \pm 0.1V_{p-p}$.



PEDESTAL ADJUSTMENT-[CG]

Presetting

1. Receive the 16-step gray scale computer signal.
2. Set to **COMPUTER** mode.

[R-PEDESTAL ADJUSTMENT-1]

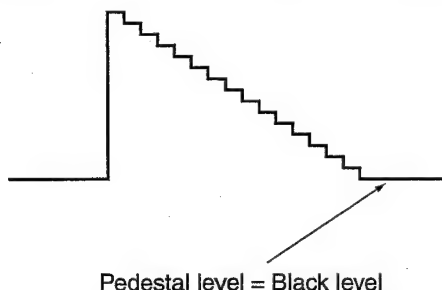
3. Connect an oscilloscope to test point "TP1501" (+) and chassis ground (-).
4. Enter to the service mode, select data no. "005" and change data value to adjust the pedestal level and black level to be same level.

[G-PEDESTAL ADJUSTMENT-1]

5. Connect an oscilloscope to test point "TP1531" (+) and chassis ground (-).
6. Select data no. "007" and change data value to adjust the pedestal level and black level to be same level.

[B-PEDESTAL ADJUSTMENT-1]

7. Connect an oscilloscope to test point "TP1561" (+) and chassis ground (-).
8. Select data no. "009" and change data value to adjust the pedestal level and black level to be same level.



GAIN ADJUSTMENT-[CG]

Presetting

1. Receive the 16-step grey scale computer signal.
2. Set to **COMPUTER** mode.

[R-GAIN ADJUSTMENT-1]

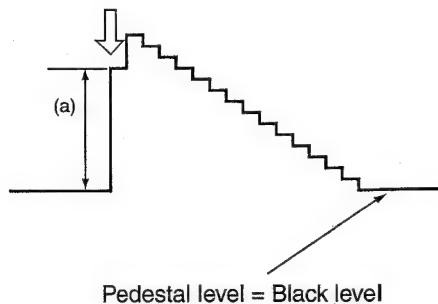
3. Connect an oscilloscope to test point "TP1501" (+) and chassis ground (-).
4. Enter to the service mode, select data no. "006" and change data value to adjust "a" to be minimum amplitude.

[G-GAIN ADJUSTMENT-1]

5. Connect an oscilloscope to test point "TP1531" (+) and chassis ground (-).
6. Select data no. "008" and change data value to adjust "a" to be minimum amplitude.

[B-GAIN ADJUSTMENT-1]

7. Connect an oscilloscope to test point "TP1561" (+) and chassis ground (-).
8. Select data no. "00A" and change data value to adjust "a" to be minimum amplitude.



PEDESTAL ADJUSTMENT-[AV]

Presetting

1. Receive the 16-step grey scale video signal.
2. Set to **VIDEO** mode.

[R-PEDESTAL ADJUSTMENT-2]

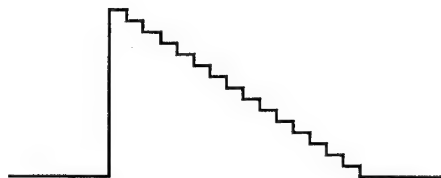
3. Connect an oscilloscope to test point "TP1501" (+) and chassis ground (-).
4. Enter to the service mode, select Data no. "00B" and change data value to adjust the pedestal level and black level to be same level.

[G-PEDESTAL ADJUSTMENT-2]

5. Connect an oscilloscope to test point "TP1531" (+) and chassis ground (-).
6. Select Data no. "00D" and change data value to adjust the pedestal level and black level to be same level.

[B-PEDESTAL ADJUSTMENT-2]

7. Connect an oscilloscope to test point "TP1561" (+) and chassis ground (-).
8. Select Data no. "00F" and change data value to adjust the pedestal level and black level to be same level.



Pedestal level = Black level

GAIN ADJUSTMENT-[AV]

Presetting

1. Receive the 16-step grey scale video signal.
2. Set to **VIDEO** mode.

[R-GAIN ADJUSTMENT-2]

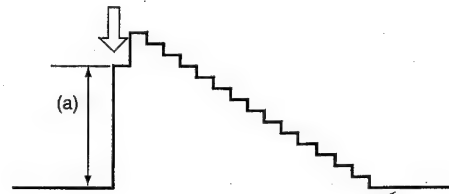
3. Connect an oscilloscope to test point "TP1501" (+) and chassis ground (-).
4. Enter to the service mode, select data no. "00C" and change data value to adjust "a" to be minimum amplitude.

[G-GAIN ADJUSTMENT-2]

5. Connect an oscilloscope to test point "TP1531" (+) and chassis ground (-).
6. Select data no. "00E" and change data value to adjust "a" to be minimum amplitude.

[B-GAIN ADJUSTMENT-2]

7. Connect an oscilloscope to test point "TP1561" (+) and chassis ground (-).
8. Select data no. "010" and change data value to adjust "a" to be minimum amplitude.



Pedestal level = Black level

VIDEO ADJUSTMENT-[CG]

Presetting

1. Receive the 16-step gray scale computer signal.
2. Set to **COMPUTER** mode.

[G-VIDEO ADJUSTMENT-1]

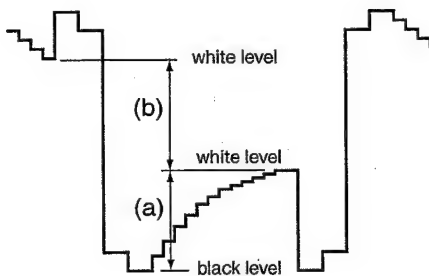
3. Connect an oscilloscope to test point "TP2512" (+) and chassis ground (-).
4. Enter to the service mode, select data no. "012" and set data value to "3FF".
5. Select data no. "011" and change data value to adjust "a" to be $3.8 \pm 0.05\text{Vp-p}$.
6. Select data no. "012" and change data value to adjust "b" to be $2.70 \pm 0.05\text{Vp-p}$.

[R-VIDEO ADJUSTMENT-1]

7. Connect an oscilloscope to test point "TP2511" (+) and chassis ground (-).
8. Enter to the service mode, select data no. "014" and set data value to "3FF".
9. Select data no. "013" and change data value to adjust "a" to be $3.8 \pm 0.05\text{Vp-p}$.
10. Select data no. "014" and change data value to adjust "b" to be $2.70 \pm 0.05\text{Vp-p}$.

[B-VIDEO ADJUSTMENT-1]

11. Connect an oscilloscope to test point "TP2513" (+) and chassis ground (-).
12. Enter to the service mode, select data no. "016" and set data value to "3FF".
13. Select Data no. "015" and change data value to adjust "a" to be $3.8 \pm 0.05\text{Vp-p}$.
14. Select Data no. "016" and change data value to adjust "b" to be $2.70 \pm 0.05\text{Vp-p}$.



VIDEO ADJUSTMENT-[AV]

Presetting

1. Receive the 16-step gray scale video signal.
2. Set to **VIDEO** mode.

[G-VIDEO ADJUSTMENT-2]

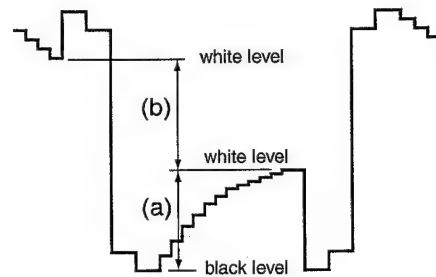
3. Connect an oscilloscope to test point "TP2512" (+) and chassis ground (-).
4. Enter to the service mode, select data no. "018" and set data value to "3FF".
5. Select data no. "017" and change data value to adjust "a" to be $3.8 \pm 0.05\text{Vp-p}$.
6. Select data no. "018" and change data value to adjust "b" to be $2.70 \pm 0.05\text{Vp-p}$.

[R-VIDEO ADJUSTMENT-2]

7. Connect an oscilloscope to test point "TP2511" (+) and chassis ground (-).
8. Enter to the service mode, select data no. "01A" and set data value to "3FF".
9. Select data no. "019" and change data value to adjust "a" to be $3.8 \pm 0.05\text{Vp-p}$.
10. Select data no. "01A" and change data value to adjust "b" to be $2.70 \pm 0.05\text{Vp-p}$.

[B-VIDEO ADJUSTMENT-2]

11. Connect an oscilloscope to test point "TP2513" (+) and chassis ground (-).
12. Enter to the service mode, select data no. "01C" and set data value to "3FF".
13. Select Data no. "01B" and change data value to adjust "a" to be $3.8 \pm 0.05\text{Vp-p}$.
14. Select Data no. "01C" and change data value to adjust "b" to be $2.70 \pm 0.05\text{Vp-p}$.



COMMON CENTER ADJUSTMENT

1. Receive the 16-step gray scale computer signal.
2. Set to **COMPUTER** mode.

[R-COMMON CENTER ADJUSTMENT]

3. Cover the G and B panel to cut the light transit.
4. Select data no. "020" and change data value to obtain the minimum flicker on the picture.

[G-COMMON CENTER ADJUSTMENT]

5. Cover the R and B panel to cut the light transit.
6. Select data no. "021" and change data value to obtain the minimum flicker on the picture.

[B-COMMON CENTER ADJUSTMENT]

7. Cover the G and R panel to cut the light transit.
8. Select data no. "022" and change data value to obtain the minimum flicker on the picture.

OFFSET ADJUSTMENT-[AV]

1. Receive the 16-step gray scale video signal.
2. Set to **VIDEO** mode.

[R-OFFSET ADJUSTMENT]

3. Cover the G and B panel to cut the light transit.
4. Select data no. "023" and change data value to disappear the vertical stripes on the screen.

[G-OFFSET ADJUSTMENT]

5. Cover the R and B panel to cut the light transit.
6. Select data no. "024" and change data value to disappear the vertical stripes on the screen.

[B-OFFSET ADJUSTMENT]

7. Cover the G and R panel to cut the light transit.
8. Select data no. "025" and change data value to disappear the vertical stripes on the screen.

Project all lights and conform that the no vertical stripes are observed on the screen.

OFFSET ADJUSTMENT-[CG]

1. Receive the 16-step gray scale computer signal.
2. Set to **COMPUTER** mode.

[R-OFFSET ADJUSTMENT]

3. Cover the G and B panel to cut the light transit.
4. Select data no. "17A" and change data value to disappear the vertical stripes on the screen.

[G-OFFSET ADJUSTMENT]

5. Cover the R and B panel to cut the light transit.
6. Select data no. "17B" and change data value to disappear the vertical stripes on the screen.

[B-OFFSET ADJUSTMENT]

7. Cover the G and R panel to cut the light transit.
8. Select data no. "17C" and change data value to disappear the vertical stripes on the screen.

Project all lights and conform that the no vertical stripes are observed on the screen.

WHITE BALANCE ADJUSTMENT-[CG]

[CG WHITE BALANCE]

1. Receive the 16-step gray scale computer signal.
2. Set to **COMPUTER** mode.
3. Select data no. "014" (Red) or "016" (Blue), and change data values respectively to make a proper white balance.

Confirm the white balance in AV and COMPUTER mode.

WHITE BALANCE ADJUSTMENT-[AV]

[AV WHITE BALANCE]

1. Receive the 16-step gray scale video signal.
2. Set to **VIDEO** mode.
3. Select data no. "01A" (Red) or "01C" (Blue), and change data values respectively to make a proper white balance.

Confirm the white balance in AV and COMPUTER mode.

WHITE UNIFORMITY ADJUSTMENT

This adjustment should be carried out when existing unbalanced white uniformity on the screen or after replacing the LCD panels. (When replacing the main board, the memory IC, IC806 on the main board should be replaced with the one on previous board, so that the white uniformity adjustment may not be required because the data of white uniformity adjustment are stored in this memory IC)

[Before adjustment]

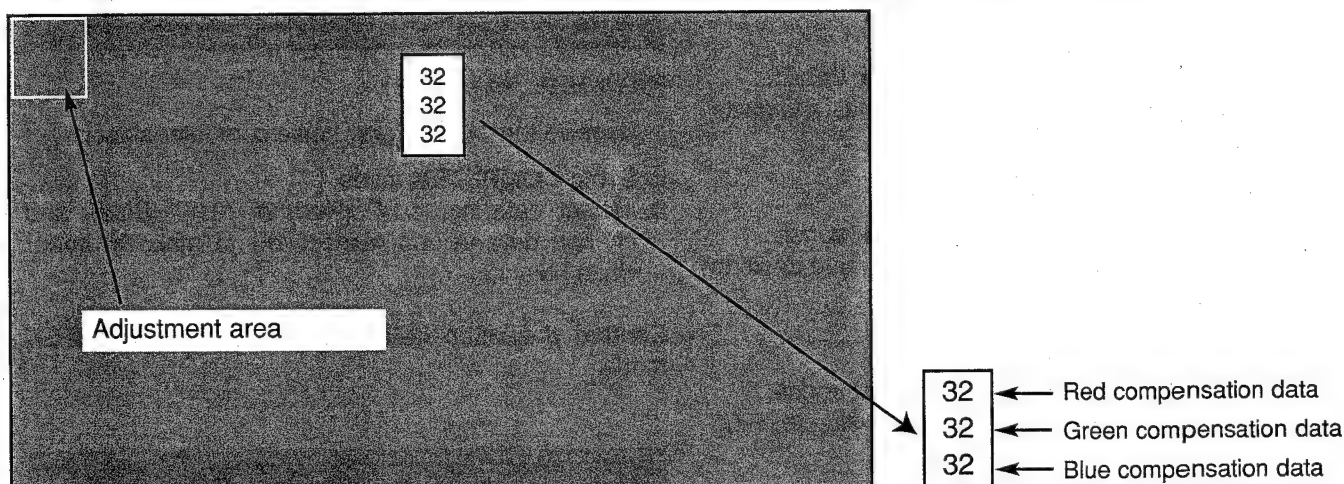
- Set to normal display mode.
- Switch the white uniformity compensation mode on.
 - Enter to the service mode , select data no. "172" and change data value from "007A" to "00FA" (mode On).
- Initialized the all of compensation data. (**This is required when the LCD panel is replaced more than 2 panels.**)
 - 1) Enter to the service mode, select data no. "169" and change data value to "0009".
 - 2) Press the **VOLUME ⊕** button once, the data value will change to "0000". The initialization will be done . The all of compensation data for RGB are to be center value "32".

[How to adjust white uniformity]

- Mode : Video or Computer mode
- Input Signal : not required
- Picture control : Normal level

[1] Enter to the service mode.

[2] Select data no. "168" and press **VOLUME ⊕** button. The following adjustment screen will appear.



[3] Adjust the white uniformity

- 1) Move the adjustment area to the position you want to adjust by pressing the pointers (⊙, ⊙, ⊙, ⊙) button on the projector.
- 2) Adjust the white balance in the adjustment area (The adjustment range is 0 to 64).
 - To change R (Red) white balance , press the **ZOOM** (⊙, ⊙) button on the projector.
 - To change G (Green) white balance , press the **FOCUS** (⊙, ⊙) button on the projector.
 - To change B (Blue) white balance , press the **LENS SHIFT** (⊙, ⊙) button on the projector.

Repeat step 1 to 2 for remaining area.

[4] Press the **MENU** button to exit the white uniformity adjustment mode.

[5] Press the **POWER-ON/OFF** button to return to the normal mode.

■ Optical Adjustments

FOCUS ADJUSTMENT

When you replace all of LCD panels such as disassembly cleaning, etc., first adjust the G-LCD panel as the standard reference, after that, adjust the R-LCD panel and B-LCD panel focus adjustments.

When you replaced one of the LCD panels, adjust only the replaced LCD panel focus to put the un-replaced LCD panels focus.

[Before adjustment]

- Input a grid pattern signal.
- Adjustment requires a 2.0mm hex driver and a slot screwdriver. Remove cabinet cover following to "Mechanical Disassemblies".

G-FOCUS ADJUSTMENT

1. Insert paper etc. in Red and Blue panel to block the red and blue light so that only green light is projected.
2. Press the **ZOOM** Ⓢ button to the "Tele" position (to reduce image size) and press the **FOCUS** Ⓢ or Ⓢ button to the center of screen is in sharp focus.
3. Press the **ZOOM** Ⓢ button to "Wide" position (to increase image size).
4. Loosen the 4 screws "A" with the 2.0mm hex driver (**Fig.1a**).
5. Insert the slot type screwdriver in the slots ①, ②, ③ and ④ (**Fig.1a**) and gently turn the screwdriver until the each corner of screen is in sharp focus. The relation of adjustment points and screen corners are indicated with ①, ②, ③ and ④ shown in **Fig.1a** and **Fig.2**.
6. Press the **ZOOM** Ⓢ button to the "Tele" position (to reduce image size) and check to see if sharp focus is retrained. If in sharp focus, adjustment is completed. If not, repeat steps 2 to 6.
7. Tighten the 4 screws "A" and securely attach the Green panel unit.

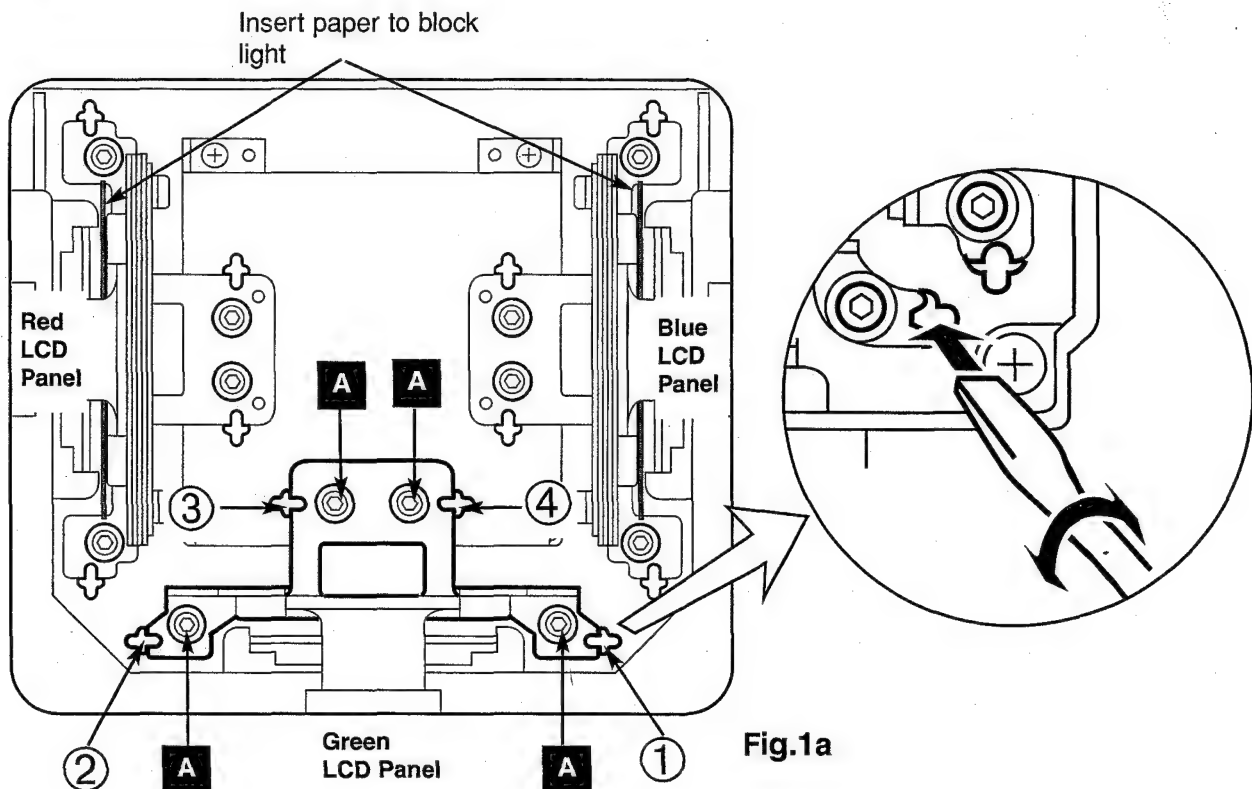
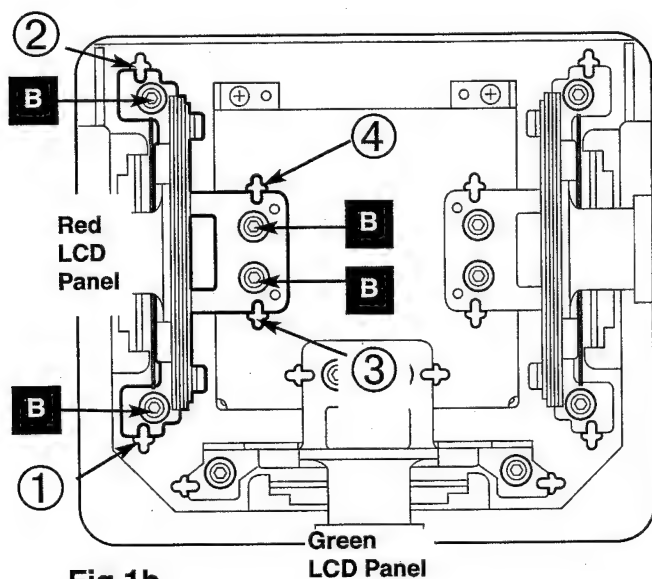


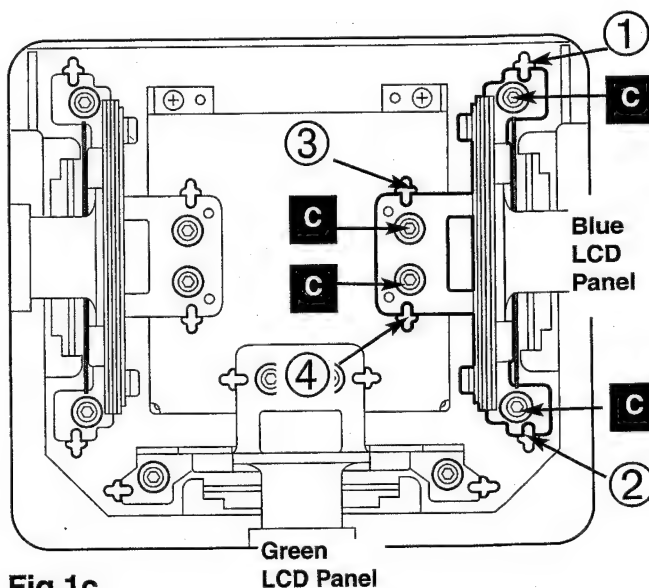
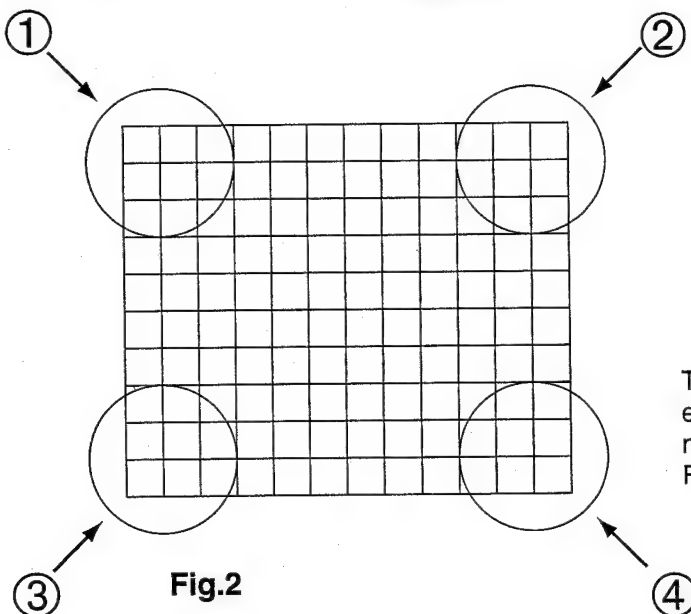
Fig.1a

R-FOCUS ADJUSTMENT

1. Insert paper etc. in Red and Blue panel to block the red and blue light so that only green light is projected.
2. Press the **ZOOM** Ⓢ button to "Wide" position (to increase image size) and press the **FOCUS** Ⓢ or Ⓢ button to make a picture in sharp focus.
3. Insert paper etc. in Blue and Green panel to block the blue and green light so that only red light is projected.
4. Loosen the 4 screws "B" with the 2.0mm hex driver, see **Fig.1b**.
5. Insert the slot type screwdriver in the slots ①, ②, ③ and ④ (**Fig.1b**) and gently turn the screwdriver until the each corner of screen is in sharp focus. The relation of adjustment points and screen corners are indicated with ①, ②, ③ and ④ shown in **Fig.1b** and **Fig.2**.
6. Tighten the 4 screws "B" and securely attach the Red panel unit.

**Fig.1b****B-FOCUS ADJUSTMENT**

1. Insert paper etc. in Red and Blue panel to block the red and blue light so that only green light is projected.
2. Press the **ZOOM** Ⓢ button to "Wide" position (to increase image size) and press the **FOCUS** Ⓢ or Ⓢ button to make a picture in sharp focus.
3. Insert paper etc. in Red and Green panel to block the red and green light so that only blue light is projected.
4. Loosen the 4 screws "C" with the 2.0mm hex driver, see **Fig.1c**.
5. Insert the slot type screwdriver in the slots ①, ②, ③ and ④ (**Fig.1c**) and gently turn the screwdriver until the each corner of screen is in sharp focus. The relation of adjustment points and screen corners are indicated with ①, ②, ③ and ④ shown in **Fig.1c** and **Fig.2**.
6. Tighten the 4 screws "C" and securely attach the Blue panel unit.

**Fig.1c****Fig.2**

The numbers indicate the focus effective part when moving the numbered adjusting slots on Fig.1.

CONVERGENCE ADJUSTMENT

For convergence adjustment, use Green as the reference standard. Align Red and Blue with Green by adjusting the position and angle of the Red and Blue LCD panels. Screws "A", "B", "C" (Fig.3) are for convergence adjustment.

[Before adjustment]

- Make sure each Red, Green and Blue LCD panel unit has been correctly installed, and that all focus adjustments have been completed before performing convergence adjustments.
- Input a grid pattern signal.
- Adjustment requires a 2.5mm hex wrench and a slot screwdriver. Remove cabinet cover following to "Mechanical Disassemblies".

RED/BLUE PANEL CONVERGENCE

1. Insert paper etc. in Red or Blue panel to block the red or blue light so that either green and red or green and blue lights are projected. (For example, when adjust Red panel convergence, project green and red lights, and when adjust Blue panel, project green and blue lights.)
2. Loosen 2 screws "D" (Fig.3) using the 2.5mm wrench.
3. Turning the screw "A", align so that the Red (or Blue) horizontal lines are parallel to the Green horizontal lines (Fig.4).
4. Turning screw "B", align the Red (or Blue) vertical lines onto the Green vertical lines (Fig.5).
5. Turning screw "C", align the Red (or Blue) horizontal lines onto the Green horizontal lines (Fig.5).
6. By repeating steps 3 to 5, align the Red (or Blue) grid lines onto the green lines.
7. Tighten the 2 screws "D" to fix the Red (or Blue) panel unit.

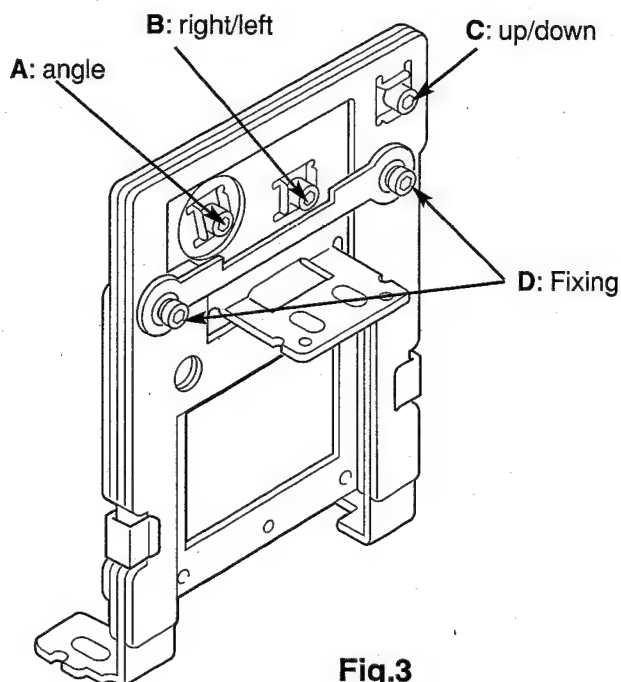


Fig.3

[Image Movement and Screw Turning]

1. Adjustment screw "A" turns the image (Fig.5).
2. Adjustment screw "B" moves the image right and left (Fig.6).
3. Adjustment screw "C" moves the image up and down (Fig.6).

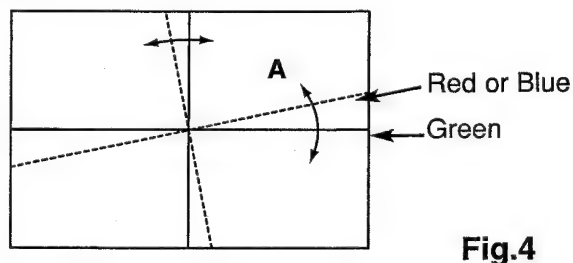


Fig.4

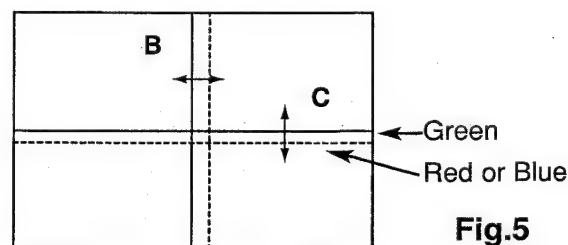


Fig.5

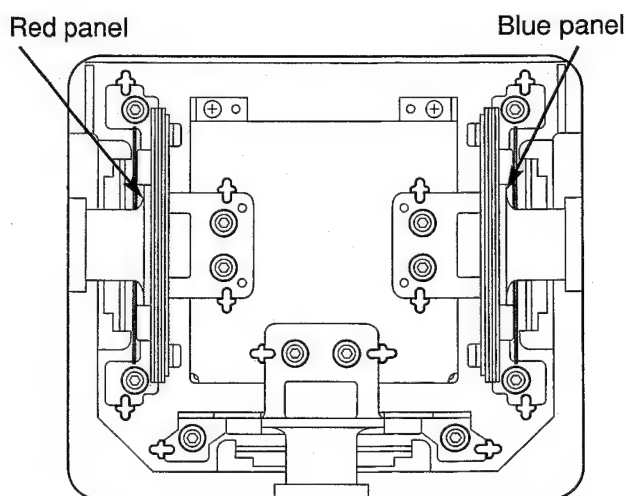


Fig.6

CONTRAST ADJUSTMENT

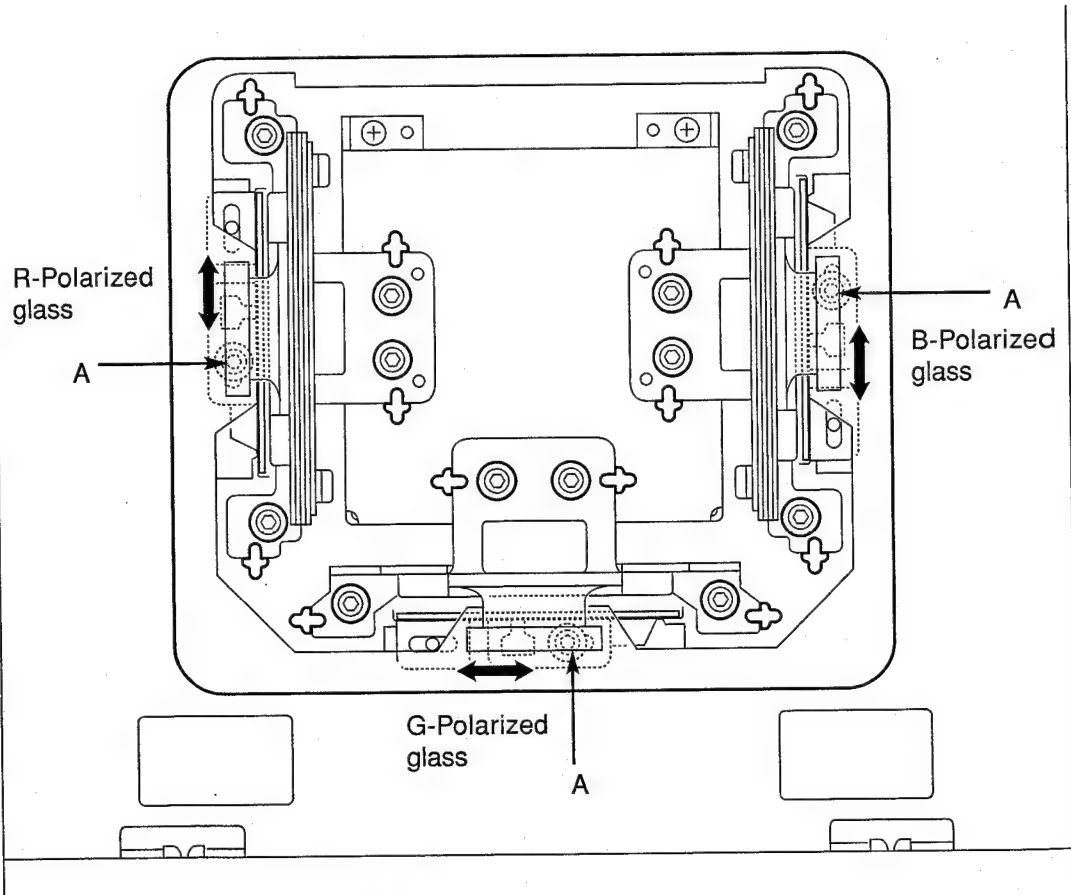
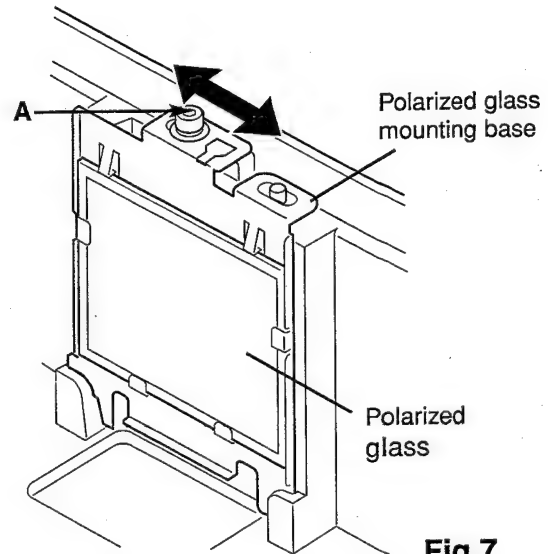
[Before Adjustment]

- Adjustment requires a 2.0mm hex driver.
- Remove cabinet cover following to step1 of "Mechanical Disassemblies".
- Input a 100% of black raster signal.

[R/G/B-CONTRAST ADJUSTMENT]

1. Insert paper etc. in front of the LCD panels to block unnecessary lights.
When adjusting the R-Contrast, project red light only.
When adjusting the G-Contrast, project green light only.
When adjusting the B-Contrast, project blue light only.
2. Loosen a screw "A" (Fig.7/8) on the polarized glass mounting base which you intend to adjust.
3. Turn the polarized glass mounting base as shown in Fig.7 to obtain the darkest brightness on the screen.
4. Tighten the screw "A" to fix the polarized glass mounting base.

Repeat steps 1 to 4 for remaining polarized glasses.



INTEGRATOR LENS ADJUSTMENT

[Before Adjustment]

- Adjustment requires a 2.0mm hex driver and a slot screwdriver.
- Remove cabinet top and cabinet front following to "Cabinet Disassemblies". The lamp cover must be re-mounted otherwise the projector can not be turned on.
- Disconnect the connectors FPC cable of LCD panels on the main unit.

[ADJUSTMENT]

1. Turn on lamp by a state of without FPC cable of LCD panels.
2. Set the size of a screen in about 40 inches.
3. Insert paper etc. in Red and Blue panel to block the red and blue light so that green light is projected and make a fine focus.
4. Insert paper etc. in Red panel to block the red light so that blue and green lights are projected.
5. Adjust the adjustment base of integrator lens ass'y to make color uniformity in cyan.
 - 1) If the un-uniform color appears on the left or right of the screen as shown in **Fig.10-1**, loosen 2 screws "B" with the hex driver (**Fig.9**) and adjust a slot "A" to make color uniformity in cyan by using a slot screwdriver.
 - 2) If the un-uniform color appears on the top or bottom of the screen as shown in **Fig.10-2**, loosen 2 screws "C" with hex driver (**Fig.9**) and adjust the 2 screws "D" to make color uniformity in cyan.
6. Tighten the 4 screws "B" and "C" to fix the integrator lens unit.

Note:

The relay lens adjustment must be carried out after completing this adjustment.

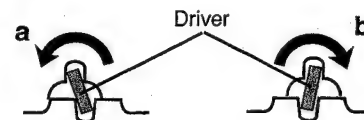
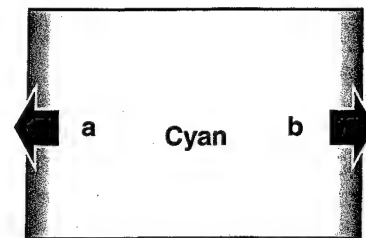


Fig.10-1

Moving of slot A

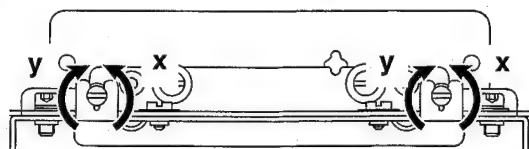
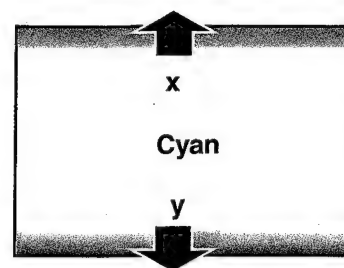


Fig.10-2

Moving of screws D

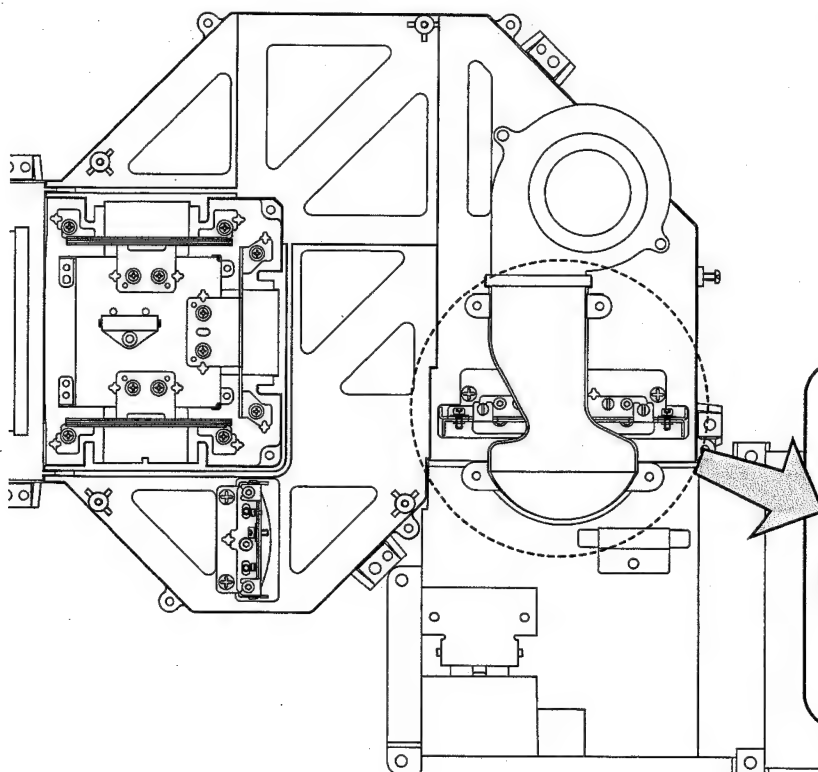
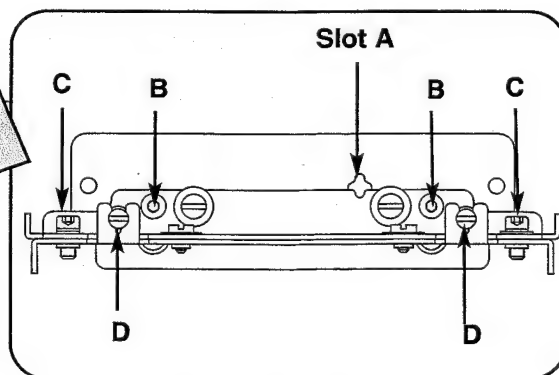


Fig.9



RELAY LENS ADJUSTMENT

[Before Adjustment]

- Adjustment requires a 2.0mm hex driver and a slot screwdriver.
- Remove cabinet top, cabinet front and Main Unit following to "Cabinet Disassemblies". The Lamp cover must be re-mounted otherwise the projector can not be turned on.
- Disconnect the connectors K1A, K8C, K2R, K2G, K2B and FPC cable of LCD panels on the main unit.
- Remove temperature sensor (SW904) on the prism ass'y.

Note: Do not disconnect connector "K8E" (Temperature sensor) otherwise the projector can not be turned on.

[ADJUSTMENT]

1. Turn on lamp by a state of without FPC cable of LCD panels.
2. Set the size of a screen in about 40 inches.
3. Insert paper etc. in Red and Blue panel to block the red and blue light so that green light is projected and make a fine focus.
4. Insert paper etc. in Blue panel to block the blue light so that red and green lights are projected.
5. Adjust the adjustment base of relay lens ass'y to make color uniformity in white.
 - 1) If the un-uniform color appears on the left or right of the screen as shown in **Fig.13-1**, loosen a screw "C" with the hex driver (**Fig.12**) and adjust the slot "A" to make color uniformity in yellow by using a slot screwdriver.
 - 2) If the un-uniform color appears on the top or bottom of the screen as shown in **Fig.13-2**, loosen a screw "B" with the hex driver (**Fig.12**) and adjust the 2 screws "D" to make color uniformity in yellow.
6. Tighten the 2 screw "B" and "C" to fix the relay lens unit.

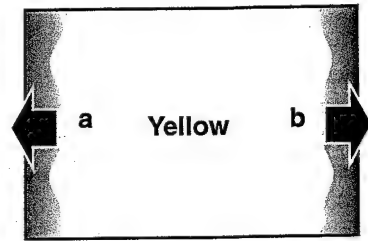


Fig.13-1

Moving of slot A

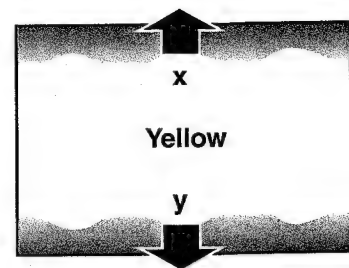
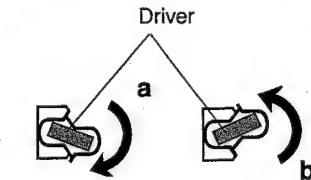


Fig.13-2

Moving of screw D

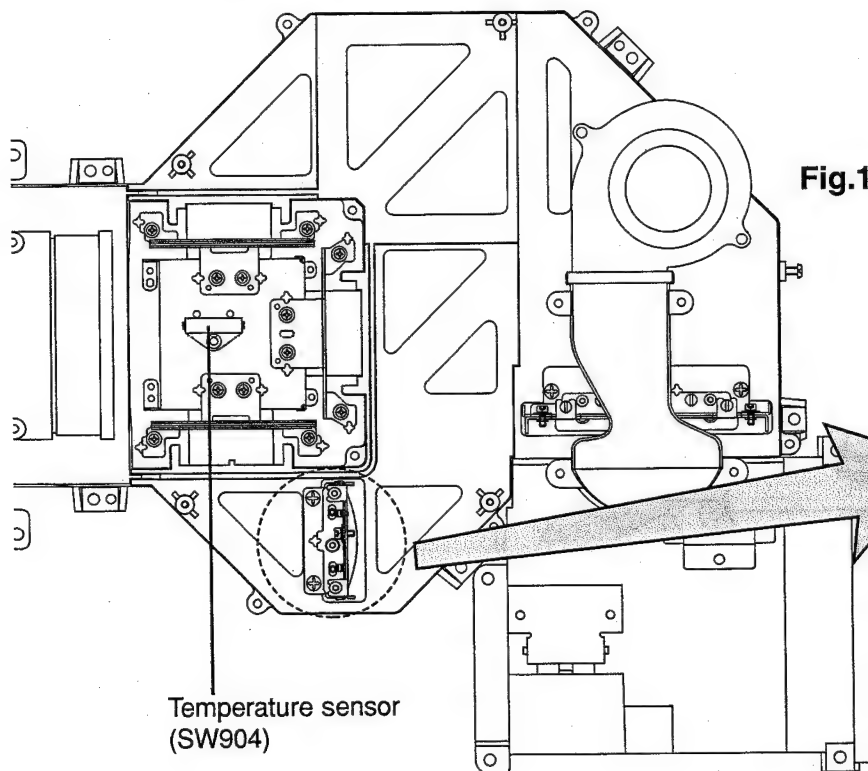
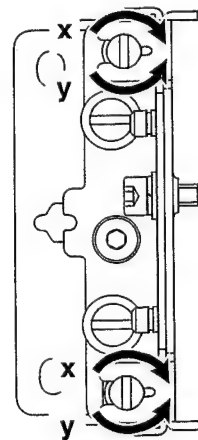
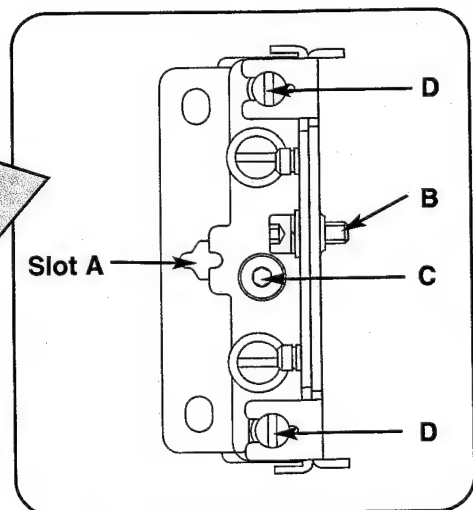


Fig.12



Troubleshooting

NO POWER

Refer to next page

PERIPHERY OF CHASSIS

1. Is fuse (F901) blown?
Fuse may be opened when either the LAMP POWER indicator or the READY indicator(with the front indicators) isn't illuminated. Check the fuse.
 - For continued safety, replace with a fuse of the same type.
TYPE T8AH 250V FUSE. (LITTLE FUSE INC. TYPE 215008)
2. Is projection of lamp cover inside broken or not fitting?
Check the INTER LOCK switch(SW902) and lamp cover.
SW902 OPEN : abnormal
3. Is thermal switch(SW903) operating?
If temperatures periphery of lamp is reached to 100°C, the thermal switch will be turned off automatically.
SW903 OPEN : abnormal
4. Is thermal switch(SW904) operating? (with the TEMPERATURE WARNING INDICATOR flashing)?
If temperatures periphery of LCD panel is reached to 50°C, the thermal switch will be turned off automatically.
SW904 OPEN : abnormal

POWER, SUB POWER BOARD

1. Are the LAMP POWER indicator(red) and READY indicator(green) light? (Front indicators)
If the LAMP POWER and READY indicators do not light, check the HOT circuit of primary side and S5V of STANDBY power source circuits.
2. Check the AC 100/200 switching circuit is correct.
3. Check that the FAN DRIVE signal is correct.
Pin4 of K6K L : ON
4. Check that the LAMP ON/OFF signal is correct.
Pin8 of K6E, pin5 of K6K H : ON
5. Check that the POWER FAIL signal is correct.
Pin3 of K6K L : abnormal
6. Check that the +6V voltage is correct.
..... Pin7, 8 of K6J
7. Is thermal switch(TSW601) operating?
If temperatures periphery of P.F.C. circuit is reached to 85°C, the thermal switch will be turned off automatically.
TSW601 SHORT : abnormal
8. Check the signal at pin5 of T631. (Switching power IC output signal)

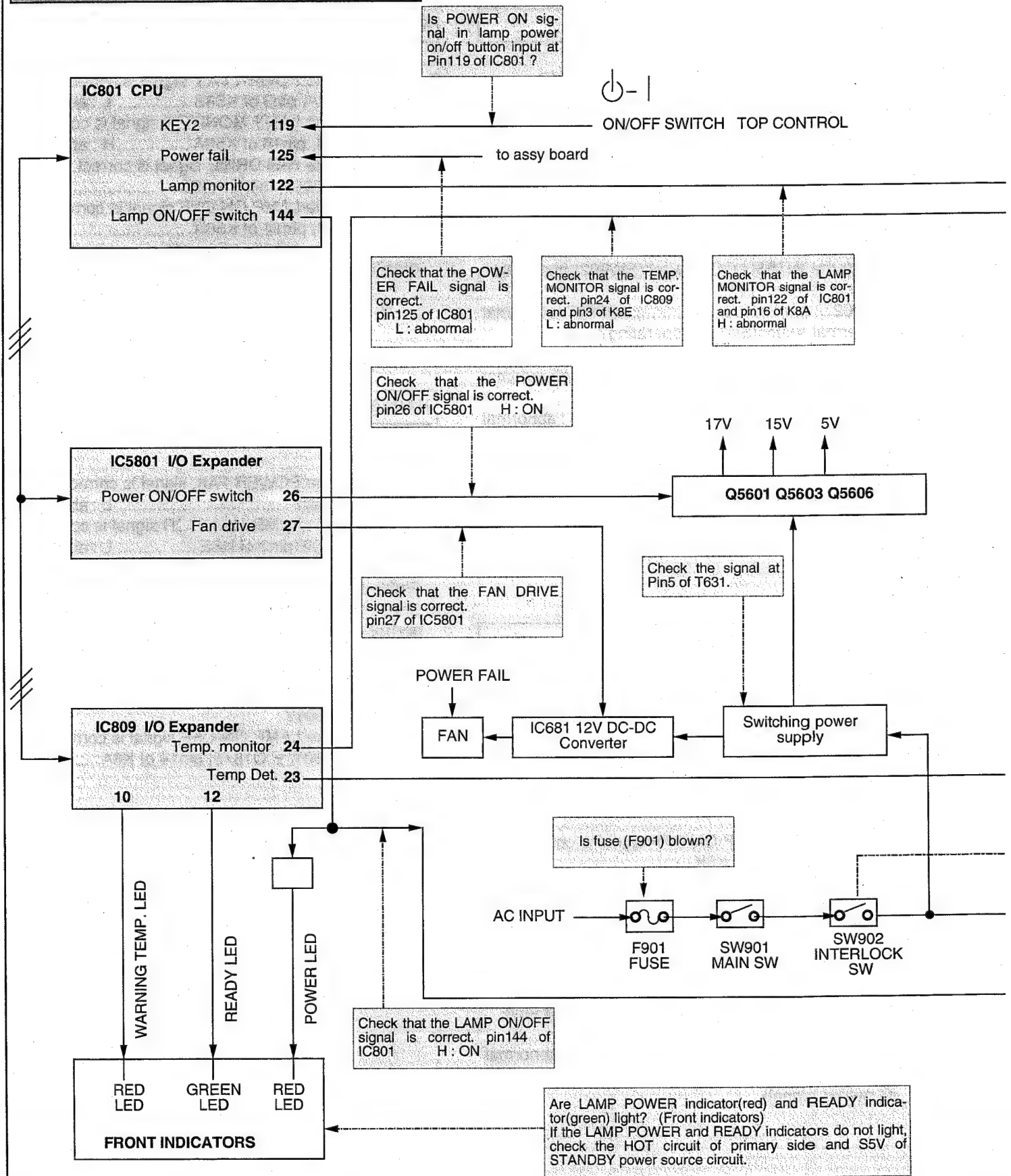
MOTHER BOARD

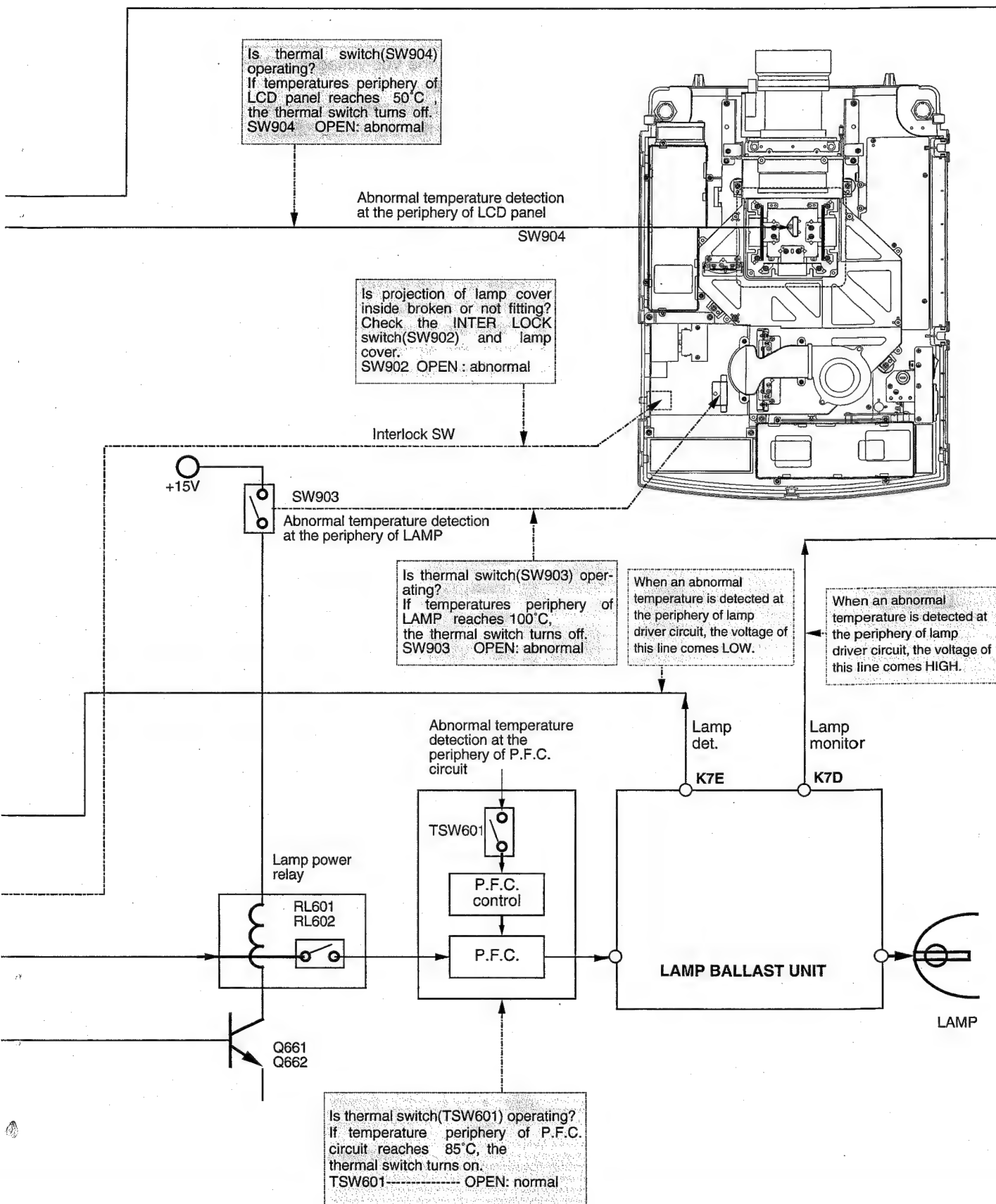
1. Check that the Vcc-voltage(IC5801 +S5V) is correct.
2. Check that the POWER FAIL signal is correct.
Pin17 of K58A, pin3 of K56B L : abnormal
3. Check that the LAMP MONITOR signal is correct.
Pin2 of K56C, pin16 of K58A H : abnormal
4. Check that the FAN DRIVE signal is correct.
Pin27 of IC5801, pin4 of K56B H : ON
5. Check that the LAMP ON/OFF signal is correct.
Pin5 of K56B, pin14 of K58A H : ON
6. Check that the POWER ON/OFF signal is correct.
Pin26 of IC5801 H : ON

MAIN BOARD

1. Check that the Vcc-voltage(IC801/IC809 +S5V) is correct.
2. Check that the POWER FAIL signal is correct.
Pin125 of IC801 L : abnormal
3. Check that the TEMP. MONITOR signal is correct.
Pin24 of IC809, pin3 of K8E L : abnormal
4. Check that the TEMP. DET. signal is correct.
Pin23 of IC809, pin1 of K8M L : abnormal
5. Check that the LAMP MONITOR signal is correct.
pin122 of IC801, pin16 of K8A H : abnormal
6. Is POWER ON signal in lamp power on/off button input at pin119 of IC801 ?
7. Is POWER ON signal in remote-control unit input at pin143 of IC801?
8. Check that the LAMP ON/OFF signal is correct.
Pin144 of IC801, E Q1875, pin14 of K8A H : ON

NO POWER





1. Check that the Vcc-voltages(+9V) are correct.
(IC3001, IC3021, etc)
2. Check that the AV1/AV2 SELECT signals are correct.
3. Check the input and output signals at IC3001.
Check the input and output signals at IC3021.

1. Check that the Vcc-voltages(+9V and +5V) are supplied correctly to ICs (IC4000,4001, IC6100, etc).
2. Check the signals at TP4000, TP4001, TP4002, TP4003, TP4010.

1. Check that the Vcc-voltages(S5V/S-5V) are correct.
(IC2131,etc)
2. Check the input and output signal at IC2131.
3. Check that the CG1/CG2 SELECT signal is correct.
Pin16 of IC2131 CG1 : H / CG2 : L

1. Check the Vcc-voltages at all IC.
2. Check that the AV/CG SELECT signal is correct.
Pin9,10,11 of IC105
3. Check the signals at TP161, 181, 171.
4. Check the input and output signals at IC105.
5. Check the signals at TP201, 202, 203.
6. Check the signals at TP4201, 4221, 4241, 5201,
5221, 5241.
7. Check the signals at TP501, 1501, 531, 1531, 561,
1561.
8. Check the signals at TP2501, 2511, 2502, 2512,
2503, 2513.



NO SOUND

AV JACK BOARD

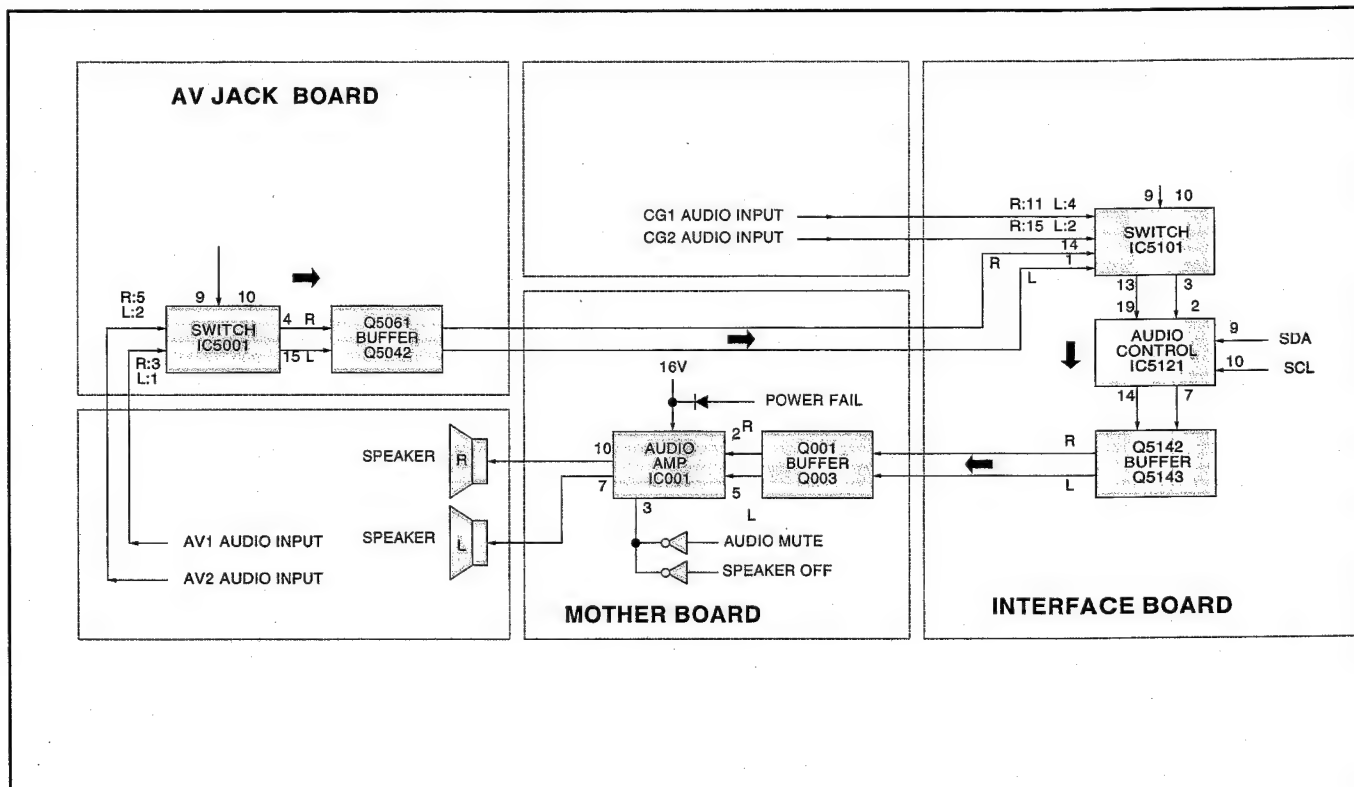
1. Check that the Vcc-voltage(Pin16 of IC5001 +9V) is correct.
2. Check that the AV1/AV2 SELECT signal is correct.
Pin9, 10 of IC5001 AV1 : H
AV2 : L
3. Check the input and output signals at IC5001.
Check the input and output signals at Q5061, Q5042.

MOTHER BOARD

1. Check that the Vcc-voltage(+9V,+16V) is correct.
2. Check the input and output signals at Q001.Q003.
3. Check that the POWER FAIL signal is correct.
4. Check that the AUDIO MUTE signal is correct.
5. Check that the SPEAKER-OFF signal is correct.
6. Check the input and output signals at IC001.

INTERFACE BOARD

1. Check that the Vcc-voltage(+9V) is correct.
2. Check that the AV/CG1/CG2 SELECT signal is correct.
Pin9, 10 of IC5101 Pin9 : Pin10
AV L : L
AV H : L
CG2 L : H
CG1 H : H
3. Check the input and output signals at IC5101.
4. Check the input and output signals at IC5121.
5. Check the signal at Pin9 of IC5121. (SDA)
Check the signal at Pin10 of IC5121. (SCL)
6. Check the input and output signals at Q5142.Q5143.



■ CPU (IC801) Port Functions

| Pin No. | Function Name | Function | IN/OUT |
|---------|---------------|--|--------|
| 1 | PCTL | Parallel I/F Control signal for LCD Driver | OUT |
| 2 | PS2 EN | Enable for Progressive Scan2 | OUT |
| 3 | SCL2 | IIC bus 2 Clock | IN/OUT |
| 4 | SDA2 | IIC bus 2 Data | IN/OUT |
| 5 | POWER SW | "L" : Power Off, "H": Power On | IN/OUT |
| 6 | VSS | GND | |
| 7 | CENT DET | Lens location detection (Center) | IN |
| 8 | ADDRESS1 | Address bus1 | OUT |
| 9 | ADDRESS2 | Address bus2 | OUT |
| 10 | ADDRESS3 | Address bus3 | OUT |
| 11 | ADDRESS4 | Address bus4 | OUT |
| 12 | VCC | 5V | |
| 13 | ADDRESS5 | Address bus5 | OUT |
| 14 | VSS | GND | |
| 15 | ADDRESS6 | Address bus6 | OUT |
| 16 | ADDRESS7 | Address bus7 | OUT |
| 17 | ADDRESS8 | Address bus8 | OUT |
| 18 | ADDRESS9 | Address bus9 | OUT |
| 19 | ADDRESS10 | Address bus10 | OUT |
| 20 | ADDRESS11 | Address bus11 | OUT |
| 21 | ADDRESS12 | Address bus12 | OUT |
| 22 | ADDRESS13 | Address bus13 | OUT |
| 23 | ADDRESS14 | Address bus14 | OUT |
| 24 | ADDRESS15 | Address bus15 | OUT |
| 25 | ADDRESS16 | Address bus16 | OUT |
| 26 | VCC | 5V | |
| 27 | ADDRESS17 | Address bus17 | OUT |
| 28 | VSS | GND | |
| 29 | SCL1 | IIC bus 1 Clock | IN/OUT |
| 30 | SDA1 | IIC bus 1 Data | IN/OUT |
| 31 | RAS | RAS Signal for DRAM Access | OUT |
| 32 | CASL | CAS Signal (Lower 16bits) for SRAM Access | OUT |
| 33 | SYS_SW | Power Switch for Peripheral ICs | OUT |
| 34 | AFT-V | V-Sync for panel drive | IN |
| 35 | VSS | GND | |
| 36 | BF-V | V-Sync for Input Signal | IN |
| 37 | ADDRESS18 | Address bus18 | OUT |
| 38 | ADDRESS19 | Address bus19 | OUT |
| 39 | ADDRESS20 | Address bus20 | OUT |
| 40 | VCC | 5V | |
| 41 | ADDRESS21 | Address bus21 | OUT |
| 42 | VSS | GND | |
| 43 | READ | READ Signal | OUT |
| 44 | WDT | Over flow output from Watch Dog Timer | OUT |
| 45 | DATA31 | Data bus31 | IN/OUT |
| 46 | DATA30 | Data bus30 | IN/OUT |
| 47 | WRH | WRITE Signal (Higher 16 bits) | OUT |
| 48 | WRL | WRITE Signal (Lower 16 bits) | OUT |
| 49 | CS1 | Chip Select for BGA | OUT |
| 50 | CS0 | Chip Select for Flash Memory | OUT |

CPU Port Functions

| Pin No. | Function Name | Function | IN/OUT |
|---------|---------------|--|--------|
| 51 | CAL-END | FPGA Operation completed when signal change "L" to "H" | IN |
| 52 | FPGA CONT | FPGA Activate "H" | OUT |
| 53 | CS3 | Chip Select for SRAM | OUT |
| 54 | CS2 | Chip Select for USB/LCD driver | OUT |
| 55 | VSS | GND | |
| 56 | DB_29 | Data bus29 | IN/OUT |
| 57 | DB_28 | Data bus28 | IN/OUT |
| 58 | DB_27 | Data bus27 | IN/OUT |
| 59 | DB_26 | Data bus26 | IN/OUT |
| 60 | DB_25 | Data bus25 | IN/OUT |
| 61 | VSS | GND | |
| 62 | DB_24 | Data bus24 | IN/OUT |
| 63 | VCC | 3.3V | |
| 64 | DB_23 | Data bus23 | IN/OUT |
| 65 | DB_22 | Data bus22 | IN/OUT |
| 66 | DB_21 | Data bus21 | IN/OUT |
| 67 | DB_20 | Data bus20 | IN/OUT |
| 68 | DB_19 | Data bus19 | IN/OUT |
| 69 | DB_18 | Data bus18 | IN/OUT |
| 70 | DB_17 | Data bus17 | IN/OUT |
| 71 | VSS | GND | |
| 72 | DB_16 | Data bus16 | IN/OUT |
| 73 | DB_15 | Data bus15 | IN/OUT |
| 74 | DB_14 | Data bus14 | IN/OUT |
| 75 | DB_13 | Data bus13 | IN/OUT |
| 76 | DB_12 | Data bus12 | IN/OUT |
| 77 | VCC | 3.3V | |
| 78 | DB_11 | Data bus11 | IN/OUT |
| 79 | VSS | GND | |
| 80 | DB_10 | Data bus10 | IN/OUT |
| 81 | DB_9 | Data bus9 | IN/OUT |
| 82 | DB_8 | Data bus8 | IN/OUT |
| 83 | DB_7 | Data bus7 | IN/OUT |
| 84 | DB_6 | Data bus6 | IN/OUT |
| 85 | VCC | 3.3V | |
| 86 | DB_5 | Data bus5 | IN/OUT |
| 87 | VSS | GND | |
| 88 | DB_4 | Data bus4 | IN/OUT |
| 89 | DB_3 | Data bus3 | IN/OUT |
| 90 | DB_2 | Data bus2 | IN/OUT |
| 91 | DB_1 | Data bus1 | IN/OUT |
| 92 | DB_0 | Data bus0 | IN/OUT |
| 93 | VSS | GND | IN/OUT |
| 94 | XTAL | X'tal Oscillator Input | IN |
| 95 | MODE3 | Multiplier Setting with Mode 3 | IN |
| 96 | EXTAL | X'tal Oscillator Output | OUT |
| 97 | MODE2 | Multiplier Setting with Mode 2 | IN |
| 98 | NONMASK | Non-Maskarable Input | IN |
| 99 | FWP | Flash Memory Write Mode | IN |
| 100 | FLASH_MODE | FWP Control | OUT |

CPU Port Functions

| Pin No. | Function Name | Function | IN/OUT |
|---------|---------------|--|--------|
| 101 | | Reserved | |
| 102 | MODE1 | MCUMode Setting with Mode 2 (Preset to "H") | IN |
| 103 | MODE2 | MCUMode Setting with Mode 1 (Preset to "L") | IN |
| 104 | PLL VCC | PLL Power Supply | |
| 105 | PLL CAP | PLL Filter | |
| 106 | PLL GND | PLL GND | |
| 107 | M-CLK | Clock Output to FPGA | OUT |
| 108 | RESET | RESET | IN |
| 109 | SCTR | Chip Select for CXD3503R | IN |
| 110 | PRO ST | Strobe for Progressive Scan | OUT |
| 111 | KCPU | OSD DMA Transfer Request Input | IN |
| 112 | VCC | 5V | |
| 113 | MOTOR EN | Motor Stop when the Power On (Output to "L") | OUT |
| 114 | SCDT | Digital Signal Identifier Input | IN |
| 115 | EXP STB1 | Strobe for I/O Expander 1 | OUT |
| 116 | EXP STB2 | Strobe for I/O Expander 2 | OUT |
| 117 | VSS | GND | |
| 118 | A/D IN 0 | Key Input1 (A/D) | IN |
| 119 | A/D IN 1 | Key Input2 (A/D) | IN |
| 120 | A/D IN 2 | Key Input3 (A/D) | IN |
| 121 | A/D IN 3 | Option Input for Destination(A/D) | IN |
| 122 | A/D IN 4 | Lamp Detection Input (Abnormal : less than 1V) | IN |
| 123 | A/D IN 5 | Reserve | IN |
| 124 | GND | A/D GND | |
| 125 | A/D IN 6 | Power Failure Detection Input (Abnormal : less than 2V) | IN |
| 126 | A/D IN 7 | Lens Position Detection Input (Bottom= \sim 1.5V, Top=1.5 \sim 3.3V, Other=3.3V \sim) | IN |
| 127 | 5V | A/D Reference Voltage | |
| 128 | 5V | A/D Power Source | |
| 129 | VSS | GND | |
| 130 | EXP DATA IN | I/O Expander Data Input | IN |
| 131 | EXP DATA OUT | I/O Expander Data output | OUT |
| 132 | EXP CLK | I/O Expander Clock Output | OUT |
| 133 | Rx | RS232C Receive(PC Communication) | IN |
| 134 | Tx | RS232C Transmit(PC Communication) | OUT |
| 135 | VCC | 5V | |
| 136 | USB INTR | USB Interrupt Signal Input | IN |
| 137 | DAC STB | DAC Strobe | OUT |
| 138 | SDATA IN | Serial Data Input (Synchronized in pixel) | IN |
| 139 | SDATA OUT | Serial Data Output | OUT |
| 140 | SCLK | Serial Clock Output | OUT |
| 141 | VSS | GND | |
| 142 | RESET OUT | I/O Expander & USB CPU Reset | OUT |
| 143 | R/C | Remote Control Signal Input | IN |
| 144 | LAMP SW | Lamp On/Off Output | OUT |
| | | | |

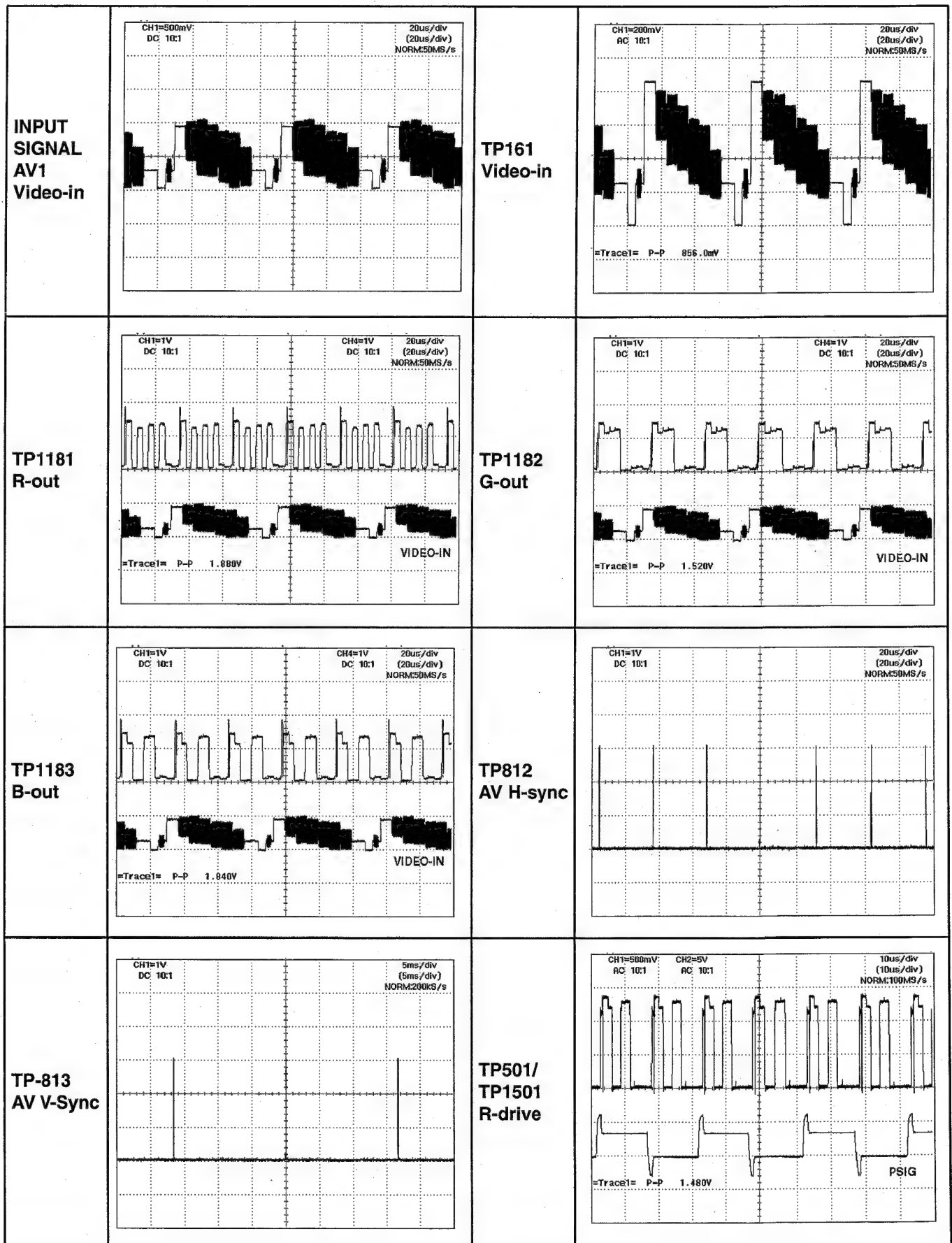
I/O Expander 1 (IC5801) Pin Function Table

| Pin No. | Function Name | Function | Action | IN/OUT |
|---------|----------------|----------------------------|-----------------------------------|--------|
| 1 | SDOUT | Serial Data Output | | OUT |
| 2 | SDIN | Serial Data Input | | IN |
| 3 | SDCLK | Serial Data Clock | | OUT |
| 4 | CHIP-SEL | Chip Select | | IN |
| 5 | 5V | - | - | - |
| 6 | RESET | Reset Signal Input | | IN |
| 7 | GND | - | - | - |
| 8 | LENS SHIFT (-) | Lens Shift Down | "H": on "L": off | OUT |
| 9 | LENS SHIFT (+) | lens Shift UP | "H": on "L": off | OUT |
| 10 | FOCUS (-) | Focus Drive (-) | "H": on "L": off | OUT |
| 11 | FOCUS (+) | Focus Drive (+) | "H": on "L": off | OUT |
| 12 | ZOOM (-) | Zoom Down | "H": on "L": off | OUT |
| 13 | ZOOM (+) | Zoom Up | "H": on "L": off | |
| 14 | CPU-MOUSE 1 | Air Mouse Control Signal 1 | "L": CPU "H": Mouse | OUT |
| 15 | CPU-MOUSE 2 | Air Mouse Control Signal 2 | "L": CPU "H": Mouse | OUT |
| 16 | GND | - | - | |
| 17 | Reserved | | | |
| 18 | AV1/AV2 | AV1/AV2 Mode Switch | "L": AV1 "H": AV2 | OUT |
| 19 | CG/AV | CG/AV Mode Switch | "L": CG "H": AV | OUT |
| 20 | CG1/CG2 | CG1/CG2 Mode Switch | "L": CG1 "H": CG2 | OUT |
| 21 | Reserved | | | |
| 22 | Reserved | | | |
| 23 | Reserved | | | |
| 24 | Reserved | | | |
| 25 | NOR/PRSC | NOR/PRSC Switch | "L": Progressive Scan "H": Normal | OUT |
| 26 | POWER ON/OFF | Power ON/OFF | "L": Power Off "H": Power On | OUT |
| 27 | FAN DRIVE | Fan Drive On/Off | "L": Fan On "H": Fan Off | OUT |
| 28 | AUDIO-MUTE | Audio Mute | "L": Mute Off "H": Mute On | OUT |
| 29 | FILTER SW | Filter Switch | "L": Filter Off | OUT |
| 30 | Reserved | | | |
| 31 | Reserved | | | |
| 32 | SP SW | Built-in Speaker Switch | "L": On "H": Off | OUT |

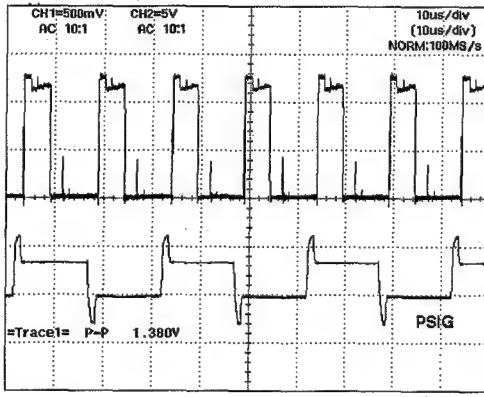
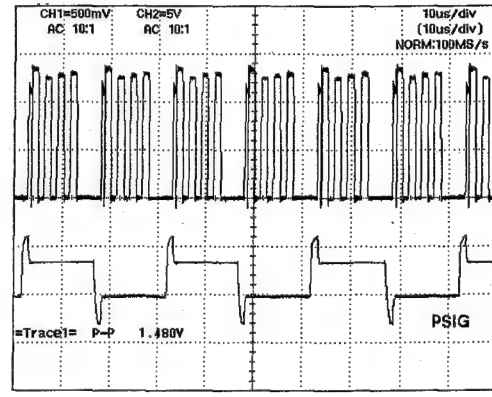
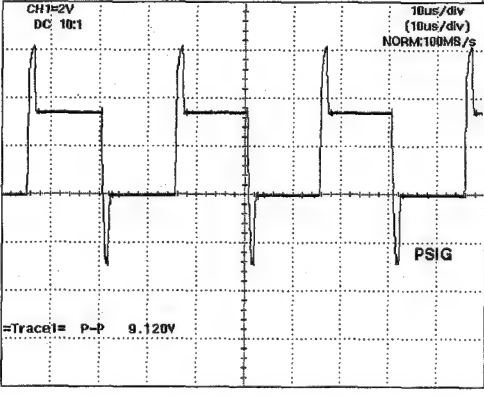
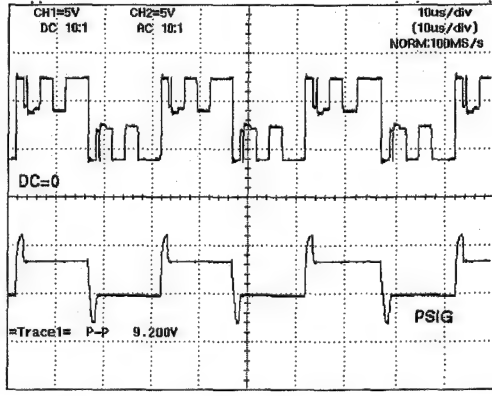
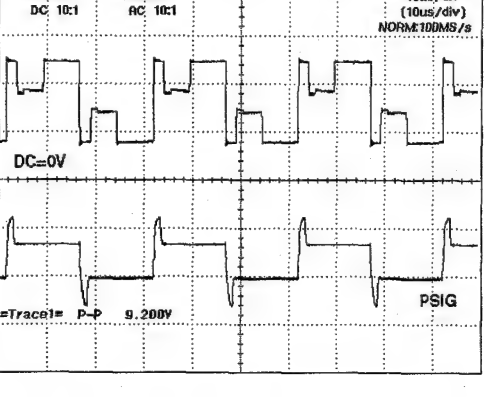
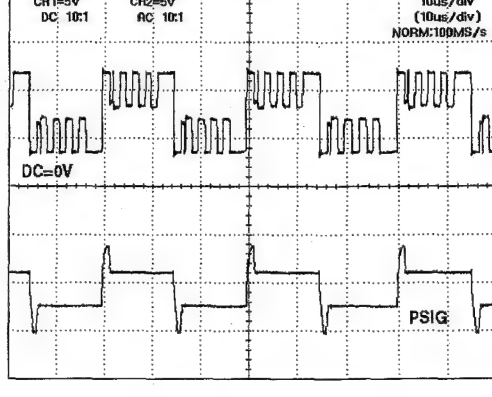
I/O Expander 2 (IC809) Pin Function Table

| Pin No. | Function Name | Function | Action | IN/OUT |
|---------|----------------|----------------------------|-----------------------------|--------|
| 1 | SDOUT | Serial Data Output | | OUT |
| 2 | SDIN | Serial Data Input | | IN |
| 3 | SDCLK | Serial Data Clock | | OUT |
| 4 | CHIP-SEL | Chip Select | | IN |
| 5 | 5V | - | - | - |
| 6 | RESET | Reset Signal Input | | IN |
| 7 | GND | - | - | - |
| 8 | S-SW | S-Video Input Detect | "L": S Input | IN |
| 9 | Reserved | | | |
| 10 | WARNING | Warning Output | "L": on "H": off | OUT |
| 11 | LAMP-REP | Lamp Replace LED | "L": on "H": off | OUT |
| 12 | READY | Ready Output | "L": on "H": off | OUT |
| 13 | USB1/USB2 | USB1/USB2 Switch | "L": USB1 "H": USB2 | |
| 14 | Reserved | | | |
| 15 | Reserved | | | |
| 16 | GND | - | - | - |
| 17 | DIGIT300 RESET | DIGIT300 Reset | "H": Reset On | OUT |
| 18 | SGRAM RESET | SGRAM Gate Array Reset | "L": Reset On | OUT |
| 19 | OSD RESET | OSD Gate Array Reset | "L": Reset On | OUT |
| 20 | RSTP | DRAM Read control | | OUT |
| 21 | SGBUS CONT | BGA-SGRAM High-Impedance | | OUT |
| 22 | V-SYNC DET | V-Sync Det. on C-Sync mode | "L": No V-Sync | IN |
| 23 | LAMP DET | Lamp Detection | "L": Abnormal | IN |
| 24 | TEMP DET | Temperature Detection | "L": Abnormal | IN |
| 25 | PR-DIF | PRG/DIF Mode Switch | "L": Progressive "H": DIF | OUT |
| 26 | FREEZE | External Freeze | | OUT |
| 27 | DIF-PD | DIF-Power Down | "L": Power Down "H": On | OUT |
| 28 | PS_RST | Reset for Progressive Scan | "L": Reset On | OUT |
| 29 | Reserved | | | |
| 30 | ICS SW | Switch ICS1523-2 | "L": through "H": Connected | OUT |
| 31 | G SWB | Color Uniformity Comp.2 | | OUT |
| 32 | G_SWA | Color uniformity Comp.1 | | OUT |

Waveforms



Waveforms

| | | | |
|--|---|--|--|
| <p>TP-531/ TP1531 G-drive</p> |  | <p>TP561/ TP1561 B-drive</p> |  |
| <p>TP581 PSIG</p> |  | <p>TP2501/ TP2511 S&H R-out</p> |  |
| <p>TP2502/ TP2512 S&H G-out</p> |  | <p>TP2503/ TP2513 S&H B-out</p> |  |
| | | | |

■ Cleaning

After long periods of use, dust and other particles will accumulate on the LCD panel, prism, mirror, polarized glass, lens, etc., causing the picture to darken or color to blur. If this occurs, clean the inside of optical unit.

Remove dust and other particles using air spray. If dirt cannot be removed by air spray, disassemble and clean the optical unit.

Cleaning with air spray

1. Remove the cabinet cover following to step 1 of "Mechanical Disassemblies".
2. Clean up the LCD panel and polarizing plate by using the air spray from the cabinet top opening.

Caution:

Use a commercial (inert gas) air spray designed for cleaning camera and computer equipment. Use a resin-based nozzle only. Be very careful not to damage optical parts with the nozzle tip. Never use any kind of cleanser on the unit. Also, never use abrasive materials on the unit as this may cause irreparable damage.

Disassembly Cleaning

Disassembly cleaning method should only be performed when the unit is considerable dirty and cannot be sufficiently cleaned by air spraying alone.

Be sure to readjust the optical system after performing disassembly cleaning.

1. Remove the cabinet top and main unit following to step 2 to 3 of "Mechanical Disassemblies".
2. Remove integrator lens unit and relay lens unit, and then the optical base top following step 2 of "Optical Unit Disassemblies". If the LCD panel needs cleaning, remove the LCD panel unit following to "LCD panel replacement".
3. Clean the optical parts with a soft cloth. Clean extremely dirty areas using a cloth moistened with alcohol.

Caution:

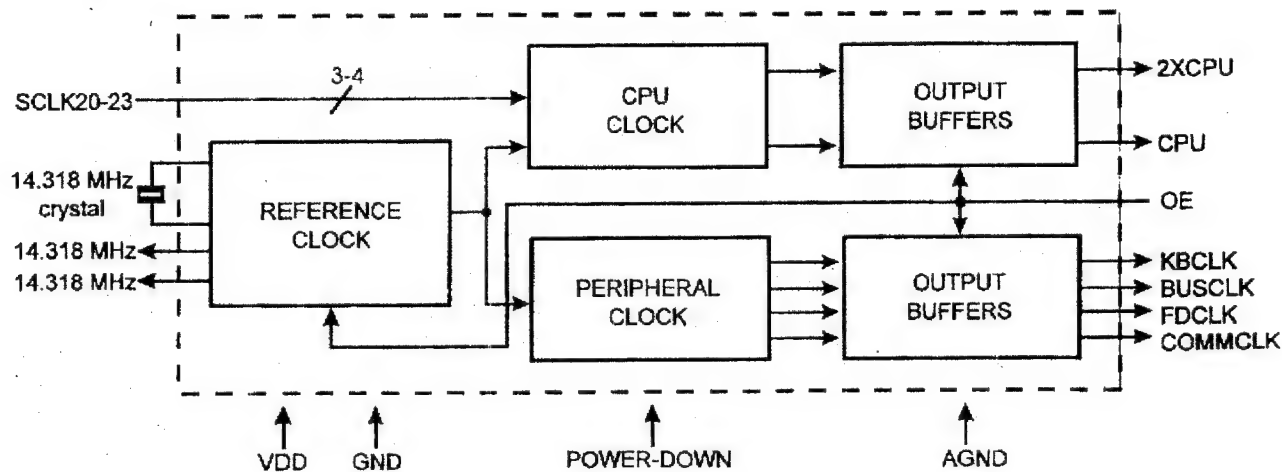
The surface of the optical components consists of multiple dielectric layers with varying degrees of refraction. Never use organic solvents (thinner, etc.) or any kind of cleanser on these components.

Since the LCD panel is equipped with an electronic circuit, never use any liquids (water, etc.) to clean the unit. Use of liquid may cause the unit to malfunction.

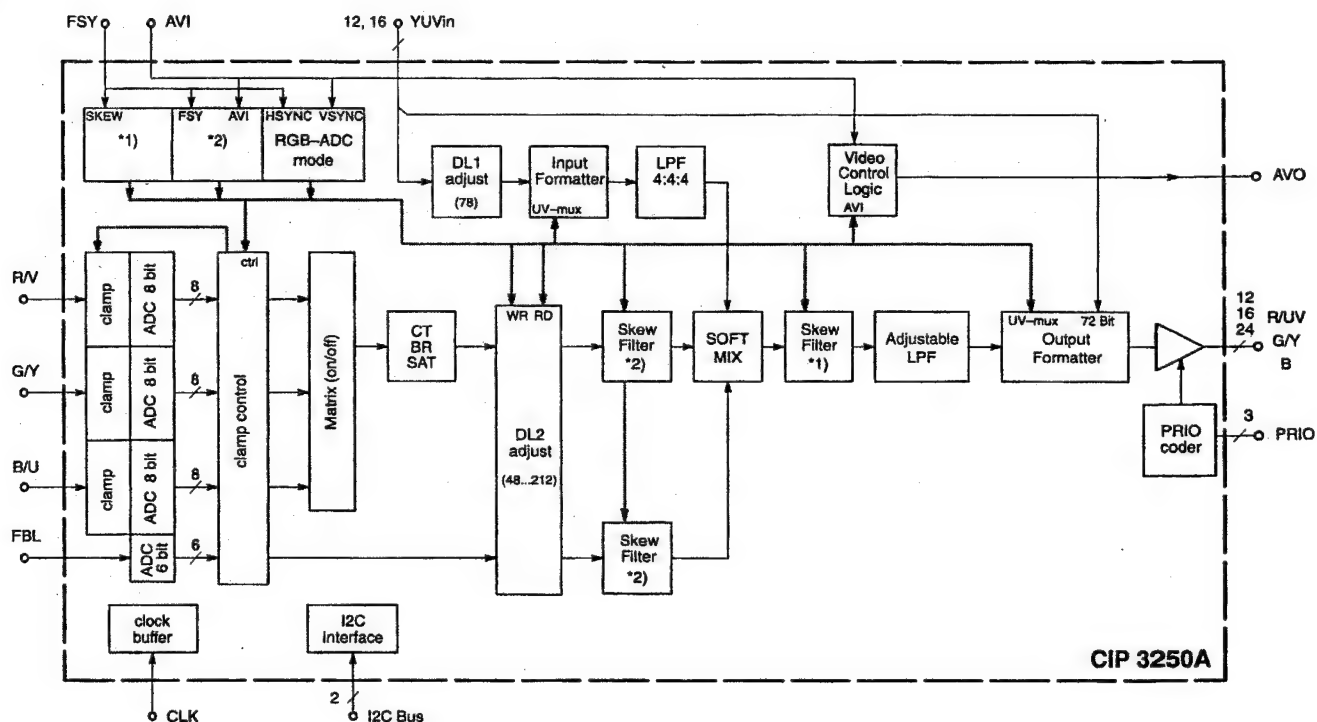
■ IC Block Diagrams

● AV9155C <OSC, IC3301, IC3321>

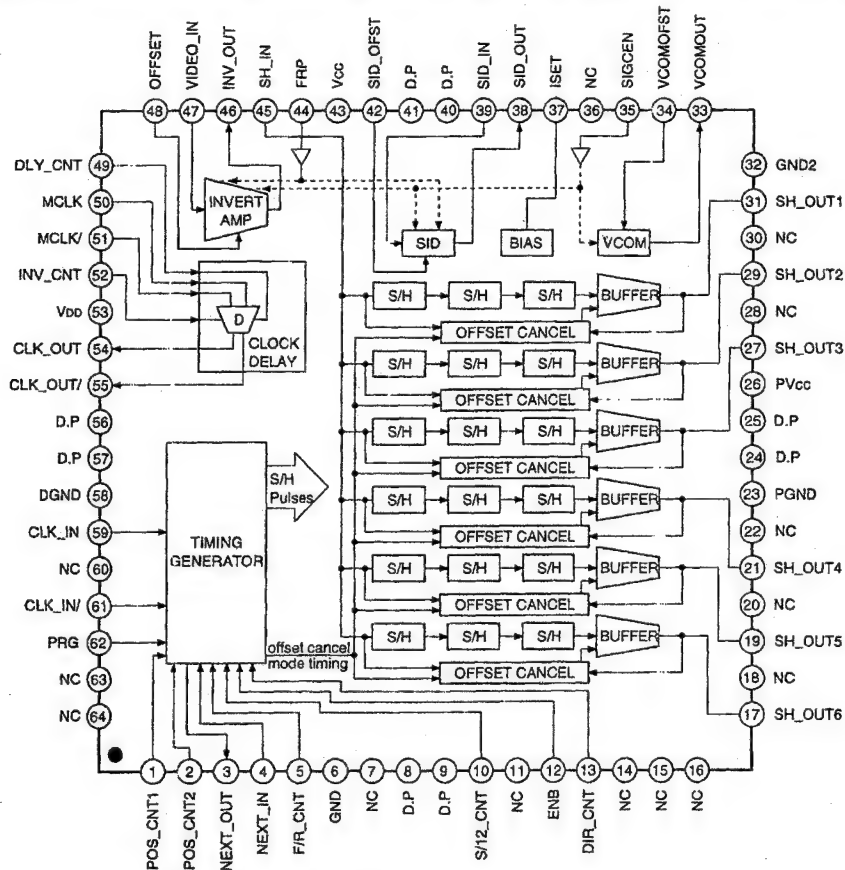
Block Diagram



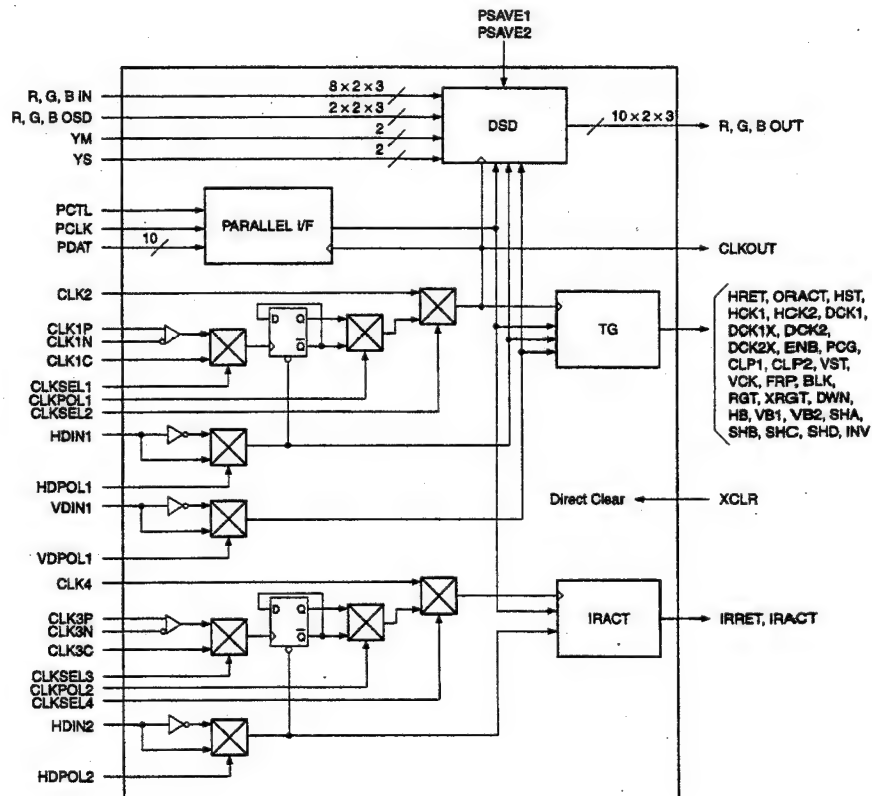
● CIP3250A <Component Interface Processor, IC102>



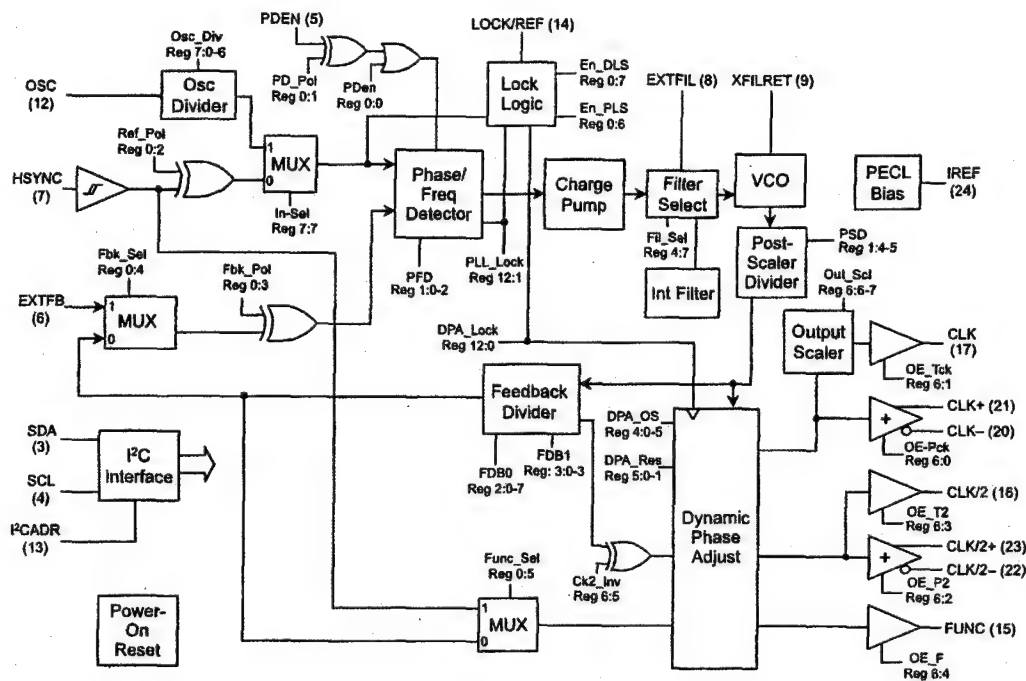
● CXA2112R <Sample & Hold, IC501, IC531, IC561, IC1501, IC1531, IC1561>



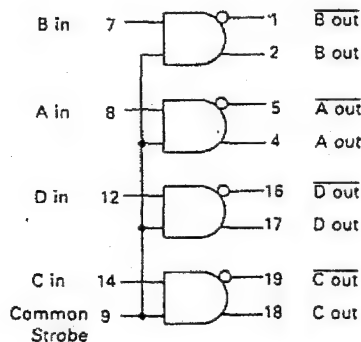
● CXD2467Q <LCD Driver, IC401>



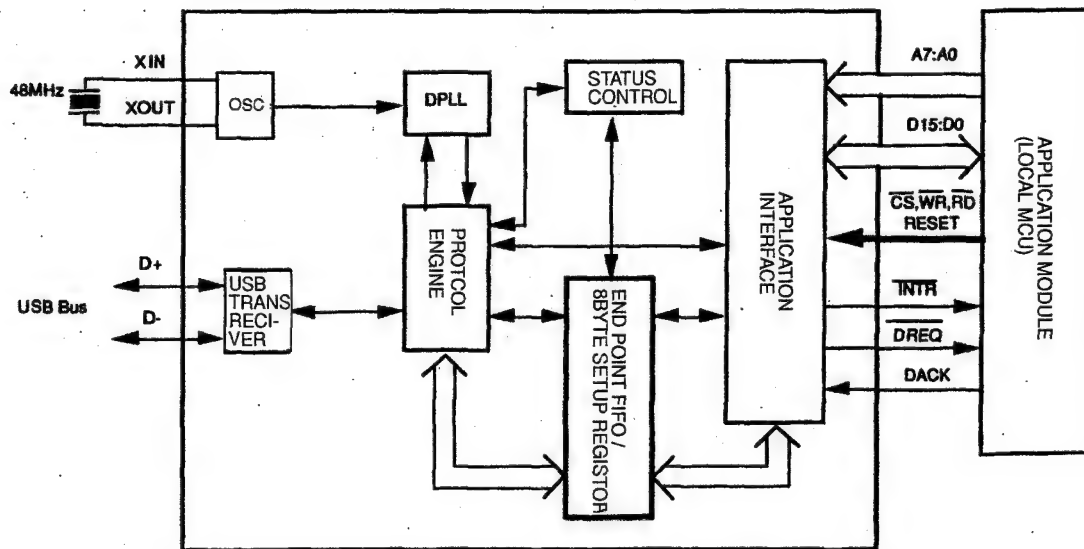
● ICS1523M <VCO, IC1104, IC1201, IC1271>



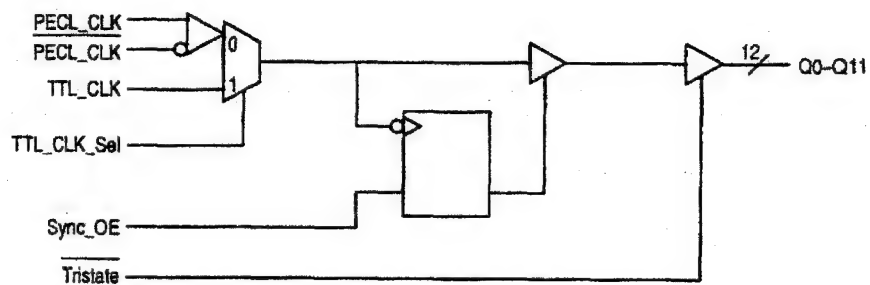
● MC10H351ML1 <TTL-ECL Level Shift, IC1551>



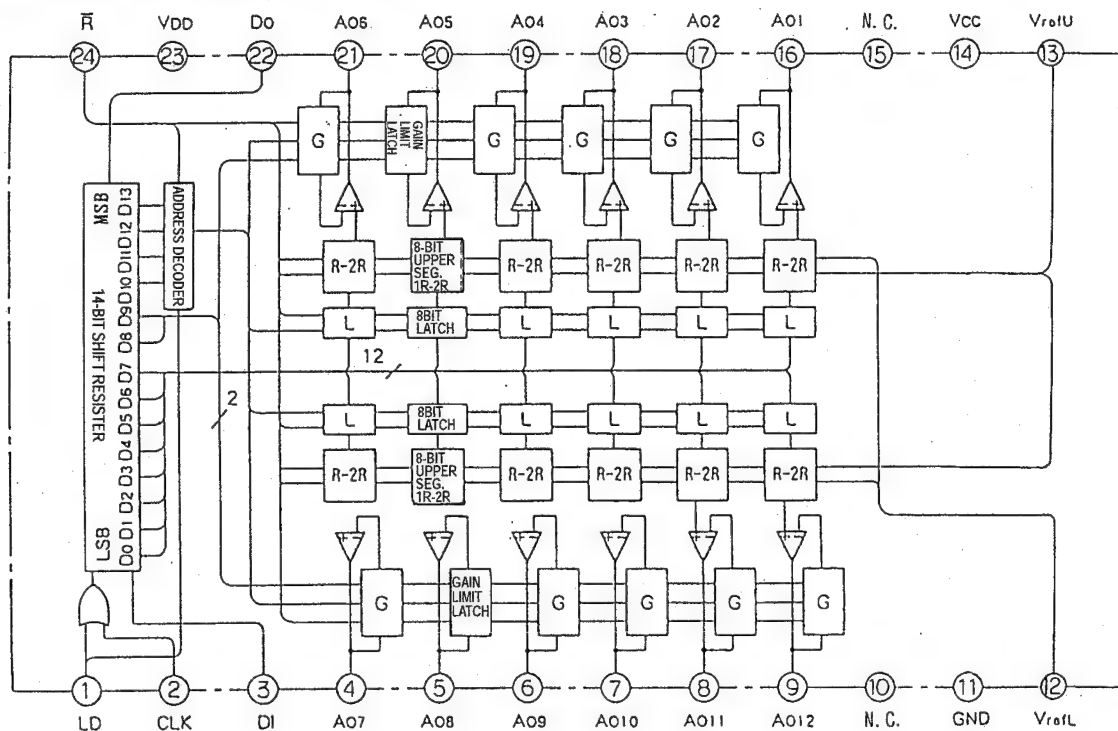
● ML60851ATB <USB Controller, IC3801>



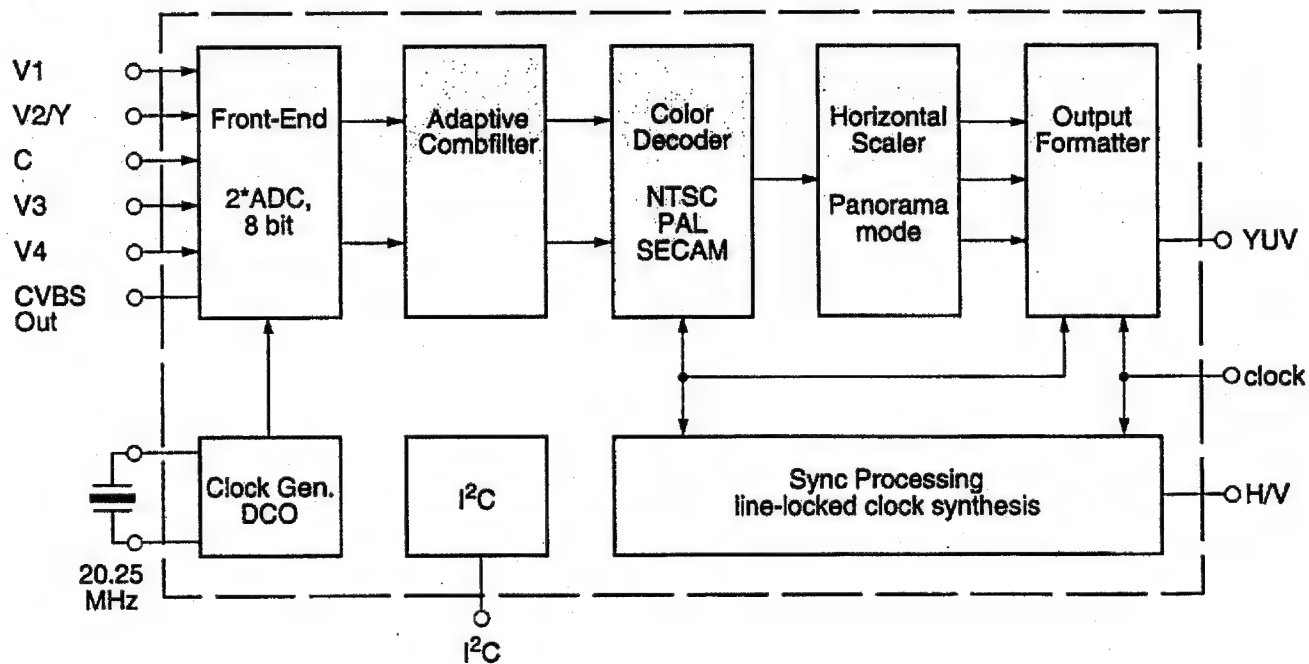
● MPC948FA <Clock Driver, IC3341>



● M62358FP <DAC, IC1401>

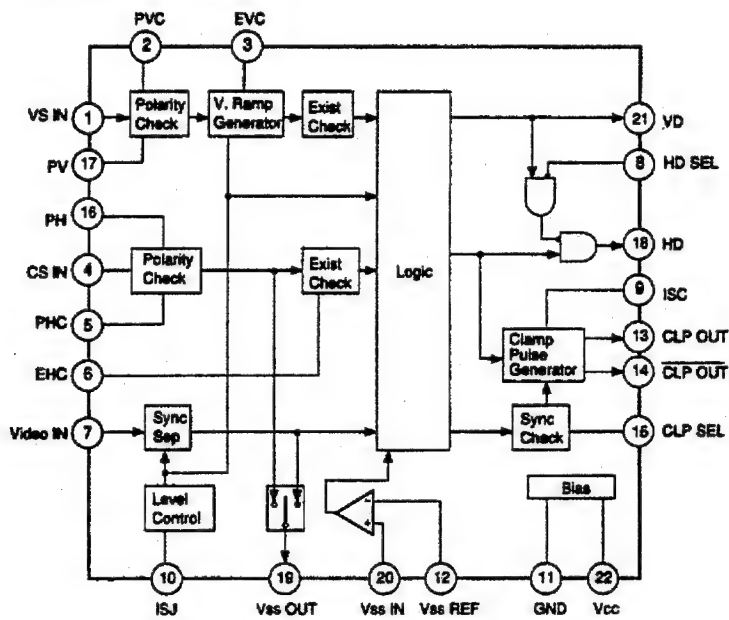


● VPC3215C <Digital Video Processor, IC101>

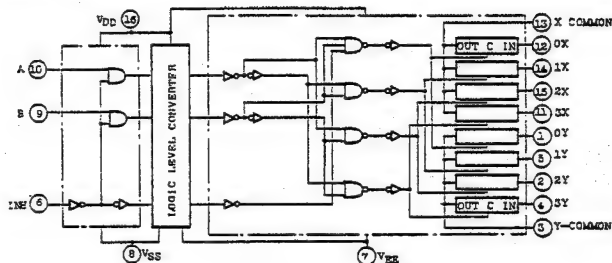




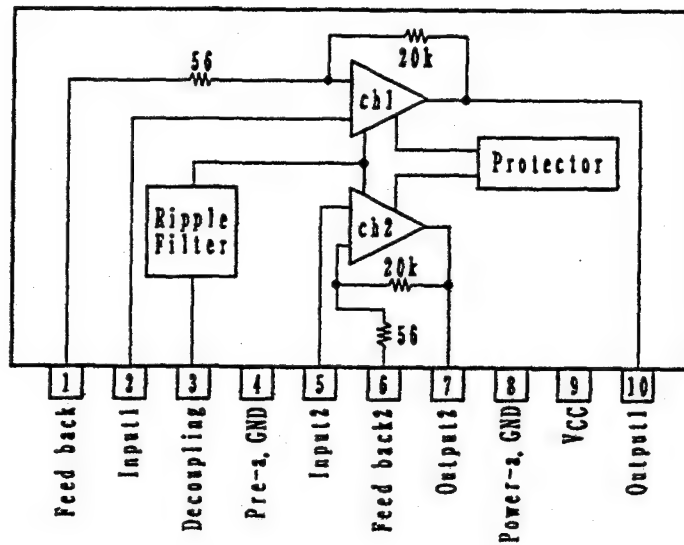
● CXA2016S <Sync. Separator, IC4141>



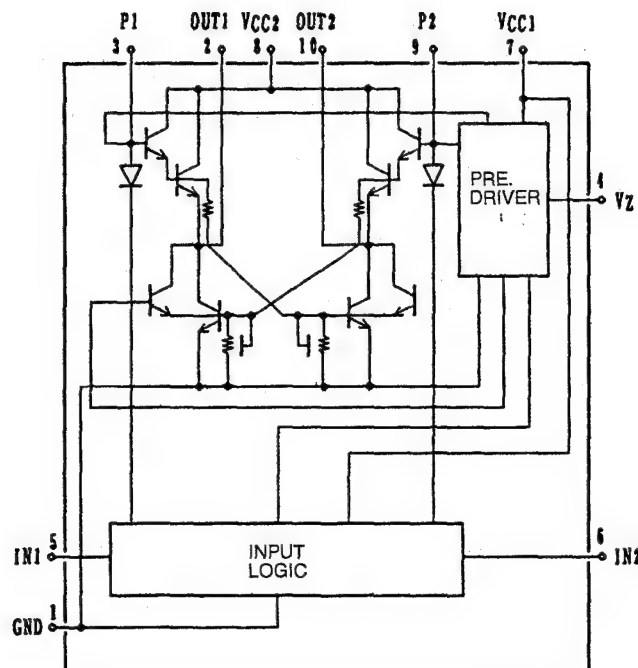
● TC4052BF <Sync. Separator, IC4141>



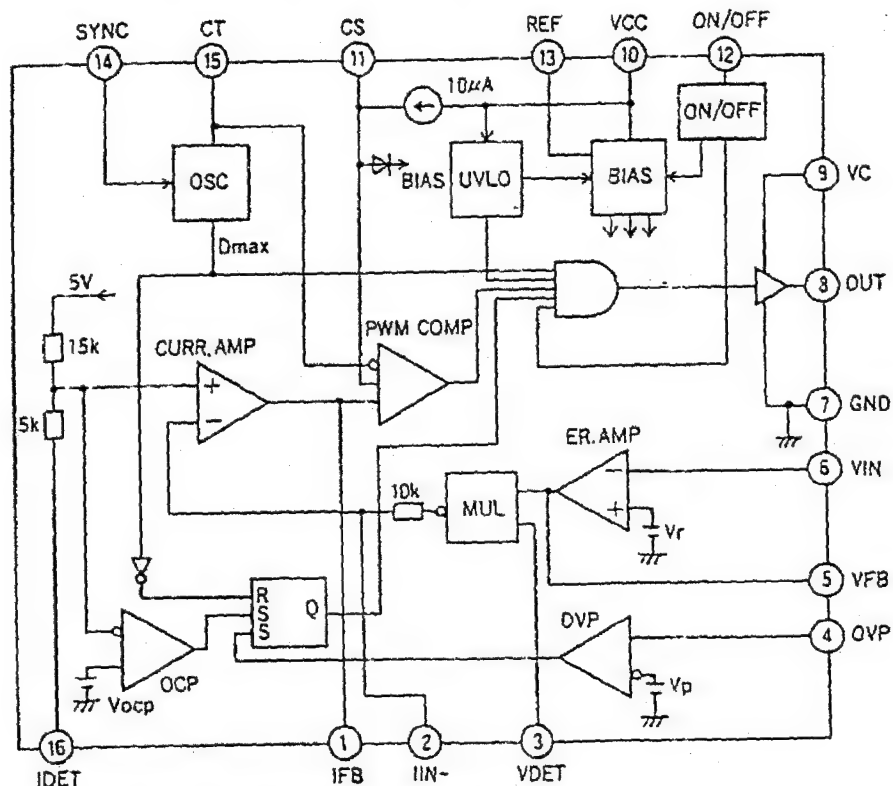
● LA4261 <Audio Output, IC001>



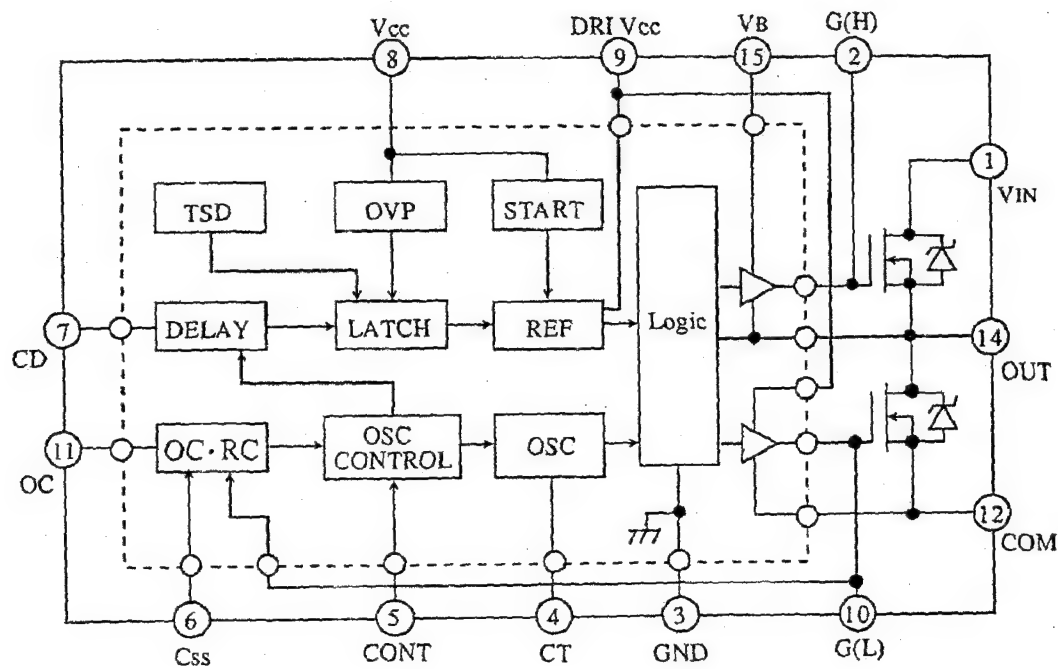
● LB1641/LB1645N <Motor Drive, IC1601, IC1611, IC1621>



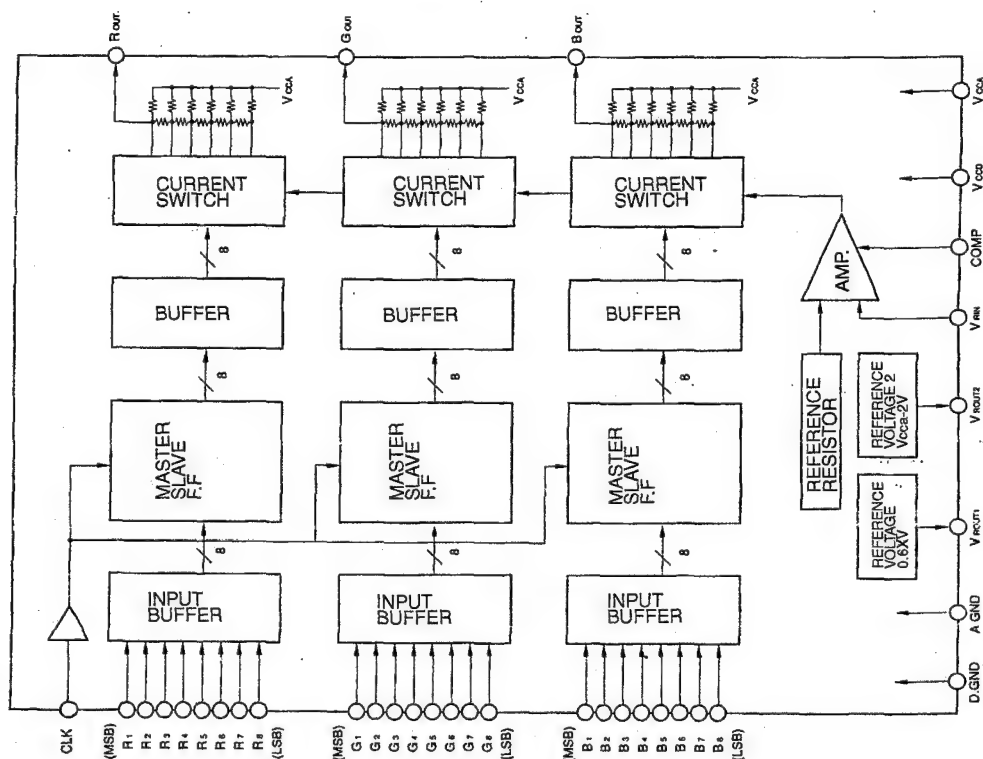
● FA5331M <Power Factor Control, IC621>



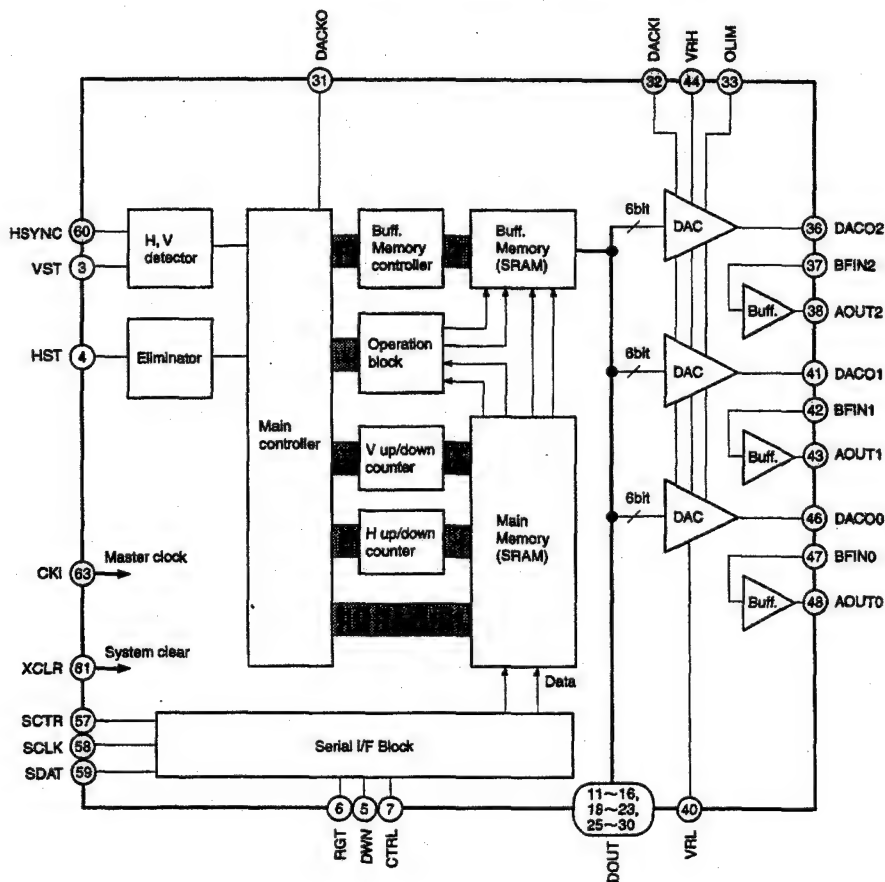
● STR-Z2154C <Power Switching Control, IC632>



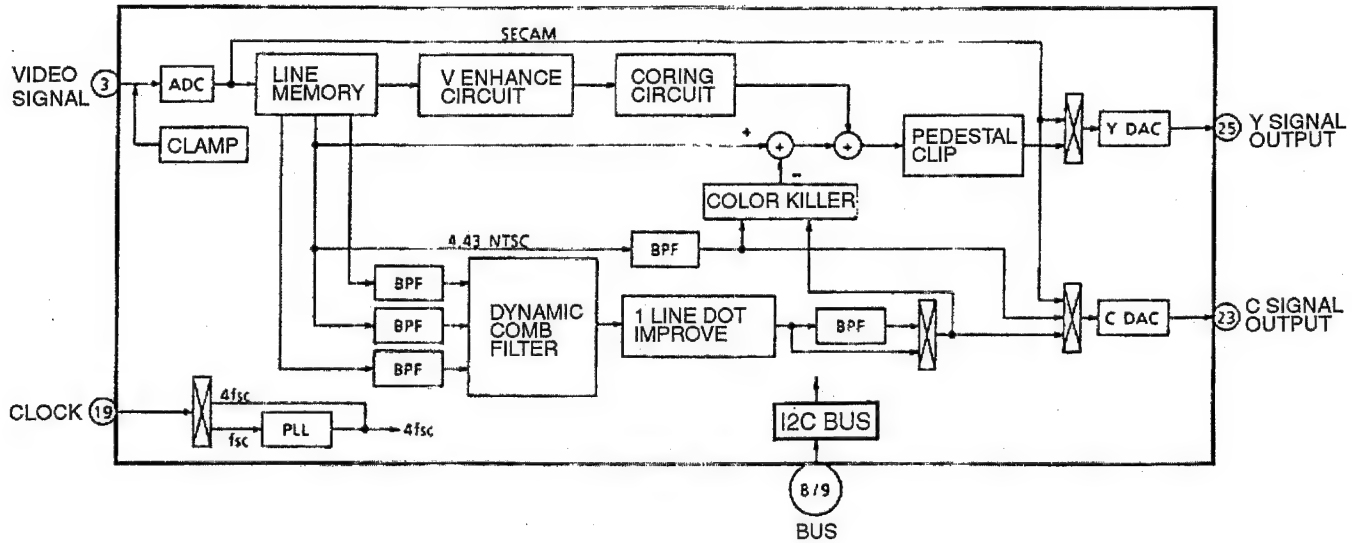
● MB40950M <D/A & DRIVER, IC1351, IC1361>



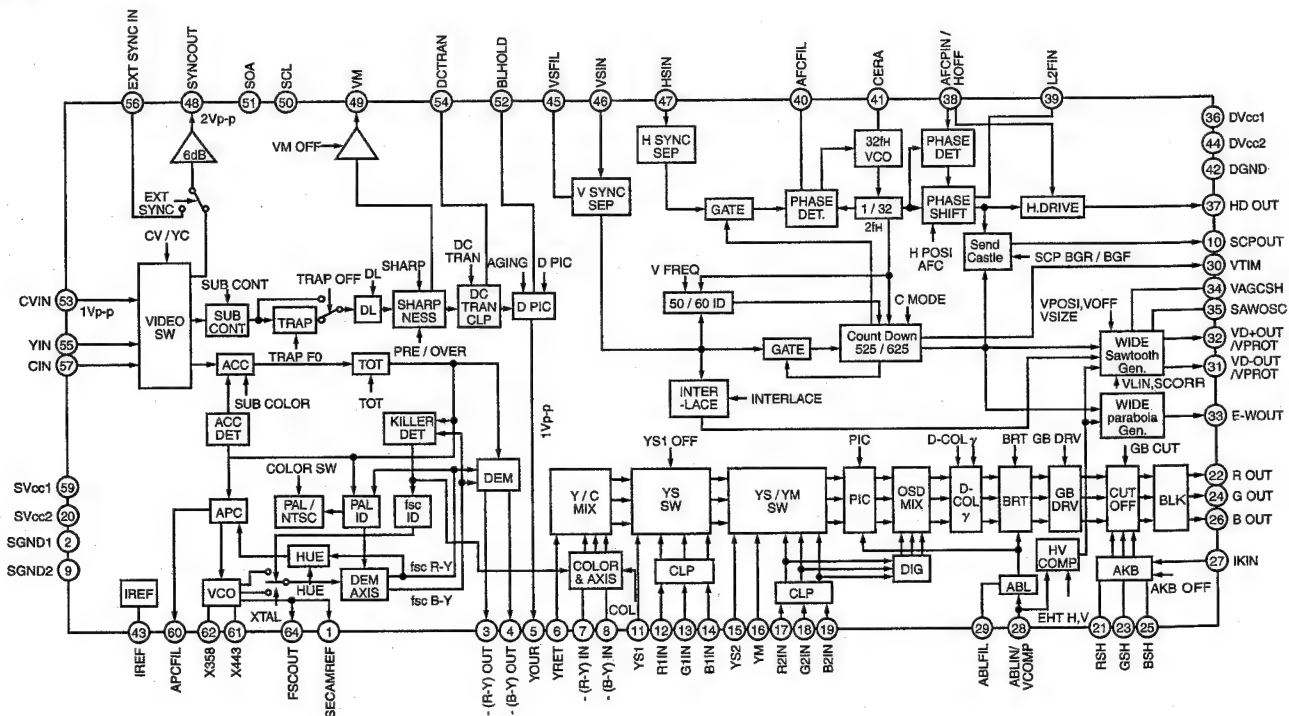
● CXD3503RM <White Uniformity Compensation, IC1461>



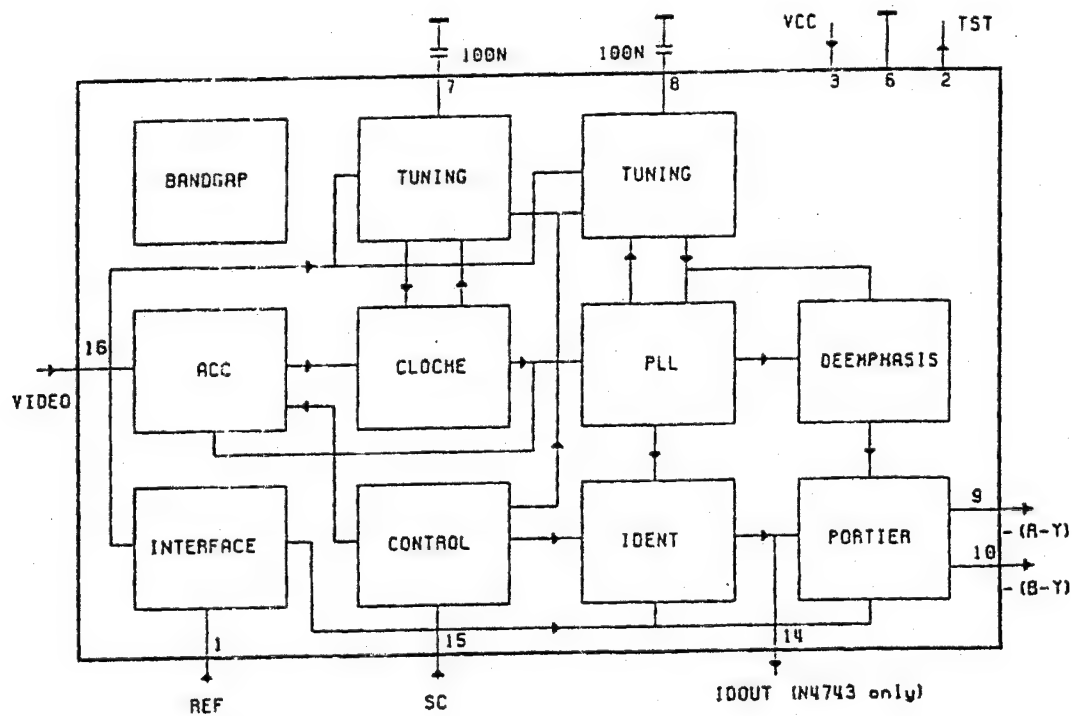
● TC9090AFP<3-Line Y/C Separator, IC4002>



● CXA2076Q<Video/Chroma Demodulator, IC6100>

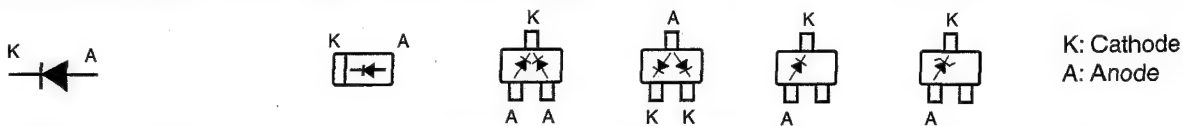


● TDA8395T <SECAM Decoder, IC6103>

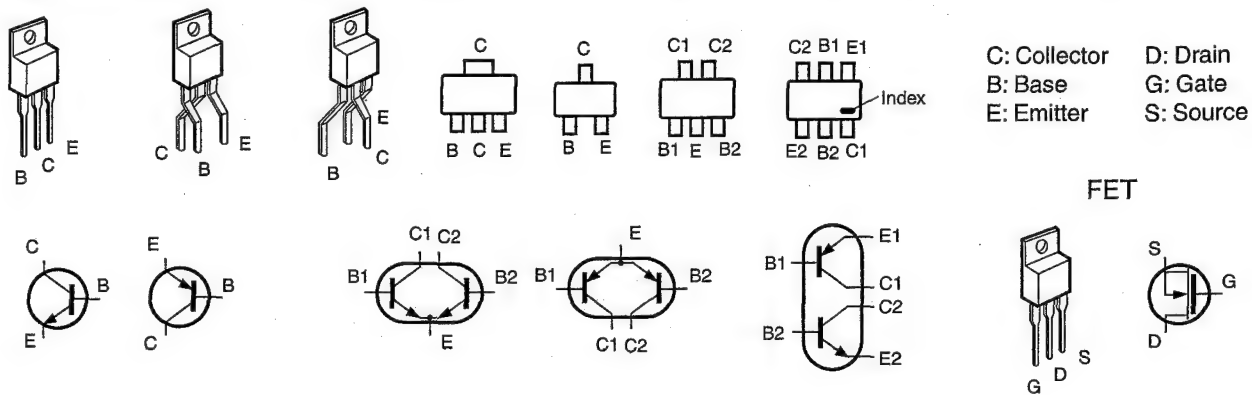


■ Pin description of diode, transistor and IC

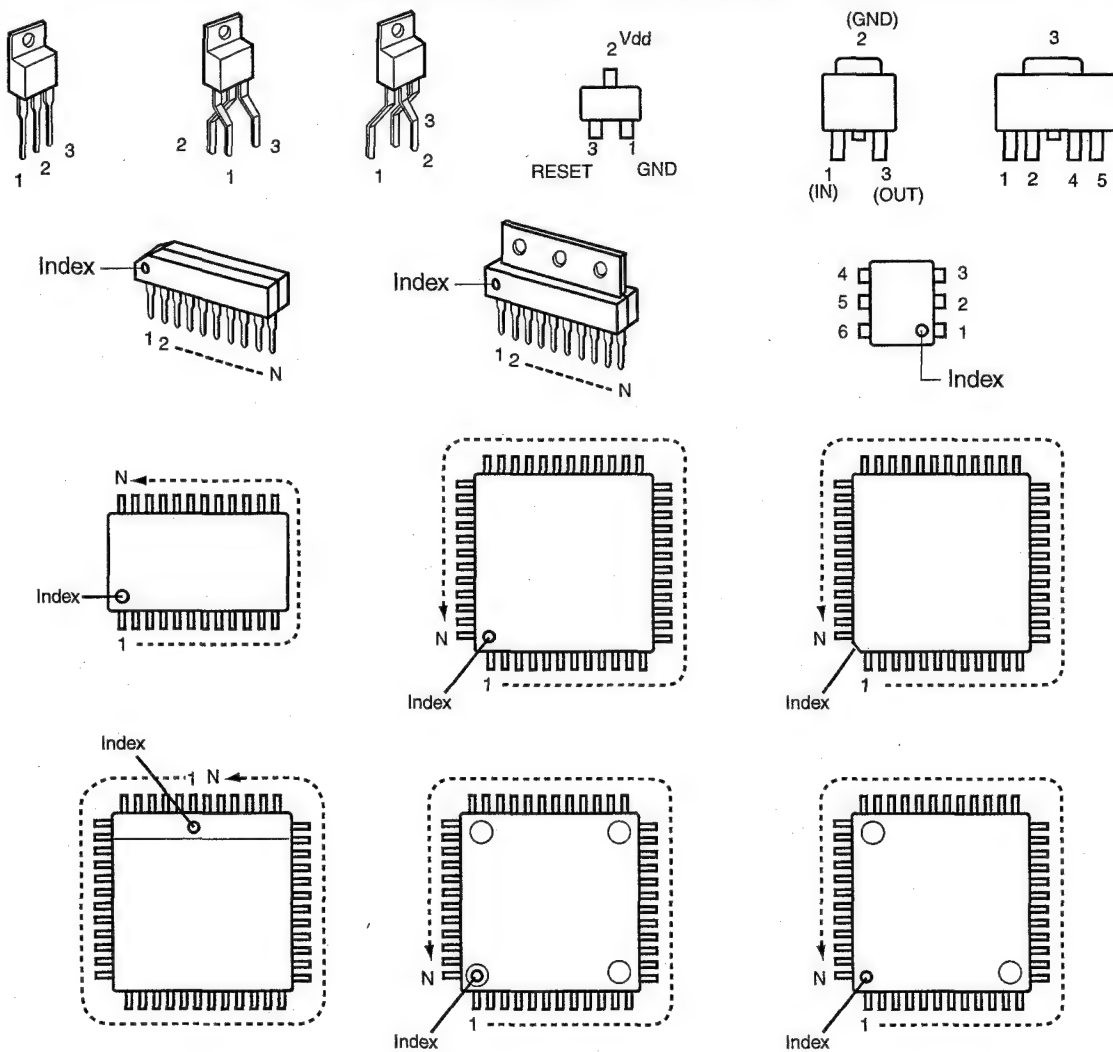
● Diode



● Transistor/FET



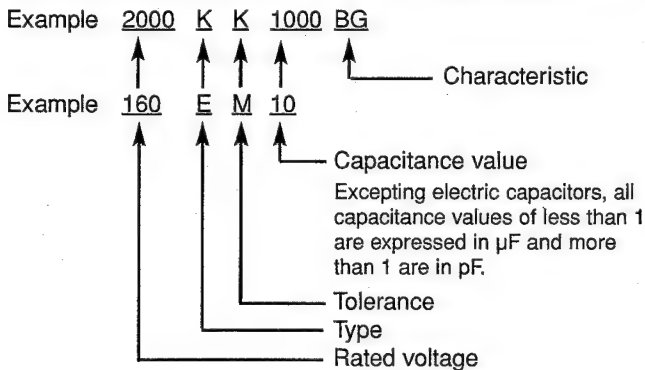
● IC



Parts description and reading in schematic diagram

1. The parts specification of resistors, capacitors and coils are expressed in designated code. Please check the parts description by the following code table.
2. Some of transistors and diodes are indicated in mark for the substitution of parts name. Please check the parts name by the following code table.
3. Voltages and waveforms were taken with a video color bar signal(1Vp-p at 75 ohms terminated) and controls to normal.
4. Voltages were taken with a high-impedance digital voltmeter.

Capacitor Reading



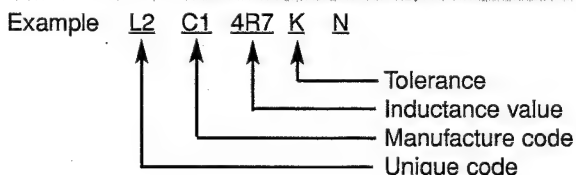
Material table

| Mark | Material |
|------|------------------------------------|
| E | Electrolytic |
| P | Electrolytic (non-polarized) |
| C | Ceramic (temperature compensation) |
| K | Ceramic |
| F | Polyester |
| N | Polypropylene |
| M | Metalized polypropylene |
| H | Metalized polypropylene |
| B | Ceramic (semiconductor) |
| G | Metalized polyester |
| Y | Composite film |
| S | Styrol |
| T | Tantalum oxide solid electrolytic |
| U | Organic semiconductive electrolyte |
| D | Electric double layer electrolytic |

Tolerance table

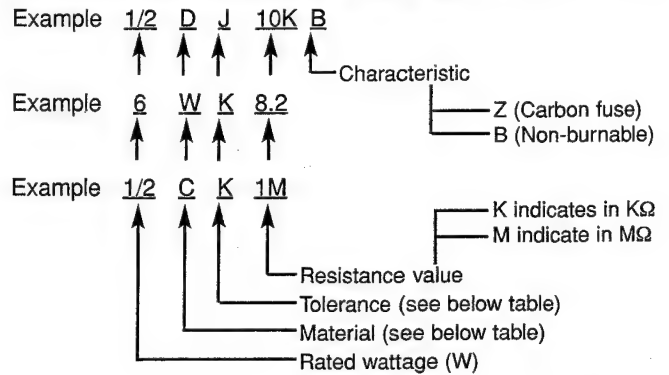
| Mark | Tolerance |
|------|---------------|
| A | not specified |
| B | ± 0.1 |
| C | ± 0.25 |
| D | ± 0.5 |
| F | ± 1 |
| G | ± 2 |
| E | ± 2.5 |
| H | ± 3 |
| J | ± 5 |
| K | ± 10 |
| M | ± 20 |
| N | ± 30 |
| P | +100 -0 |
| Q | +30 -10 |
| T | +50 -10 |
| U | +75 -10 |
| V | +20 -10 |
| W | +100 -10 |
| X | +40 -20 |
| Y | +150 -10 |
| Z | +80 -20 |

Coil Reading



| Mark | Tolerance (nH) | Mark | Tolerance (%) |
|------|----------------|------|---------------|
| C | ± 0.25 | G | ± 2 |
| D | ± 0.5 | J | ± 5 |
| S | ± 0.3 | K | ± 10 |
| A | ± 0.2 | L | ± 15 |
| | | M | ± 20 |

Resistor Reading



Note: Resistor which is indicated with resistance value only are 1/6W carbon resistor. Resistor which is indicated with material, tolerance and value are 1/4W rated wattage.

Material table

| Mark | Material |
|------|------------------------|
| D | Carbon |
| N | Metal film |
| S | Oxide metal film |
| C | Solid |
| G | Metal glaze |
| W | Wire winding or cement |
| H | Ceramic |
| F | Fusible |

Tolerance table

| Mark | Tolerance |
|------|---------------|
| A | ± 0.05 |
| B | ± 0.1 |
| C | ± 0.25 |
| D | ± 0.5 |
| F | ± 1 |
| G | ± 2 |
| J | ± 5 |
| K | ± 10 |
| M | ± 20 |
| P | +5 -15 |
| Z | used in 0 ohm |

Diode/Transistor Type Reading

Diode

| Mark | Type number |
|------|--|
| -- | 1S1555, 1S2473, 1S2076, 1SS133, DS442, 1SS176 |
| K | 1S1555, 1S2473, 1S2076, DS442 |
| L | 1S1555, 1S2076A, 1S2471 |
| M | 1SS133, 1SS176, GMA01 |
| N | 1S1555, 1S2473, 1S2076, 1SS133, DS442, 1SS176, 1N4148 |
| P | 1S1555, 1S2076A, 1S2471, 1N4148 |
| R | 1S1555, 1S2076, 1S2473, DS442, 1N4148 |
| AA | 1S1555, 1S2076, 1S2473, 1SS133, DS442, 1SS176, 1N4148, GMA01 |

Transistor (NPN type)

| Mark | Type number |
|------|---|
| -- | 2SC536 2SC945A 2SC1815 2SC1740 2SC1740S KSC945C |
| A | E, F, G P, Q, R O, Y, G Q, R, S Q, R, S |
| B | E, F, G P, Q, R O, Y, G Q, R, S |
| D | F, G P, Q Y, G Q, R, S |
| F | F, G P G R, S |
| H | F, G P, Q Y, G Q, R, S Y, G |
| I | E, F, G P, Q, R O, Y, G Q, R, S Y, G |
| G | F, G P Y, G R, S G |
| AD | F, G Q, R Y, GR Q, R, S |
| AE | E, F, G Q, R O, Y, GR Q, R, S |

Transistor (PNP type)

| Mark | Type number |
|------|---|
| -- | 2SA608 2SA564A 2SA1015 2SA933 2SA933S KSA733C |
| Y | E, F Q, R O, Y, G Q, R |
| W | F R Y, G R |
| V | E, F Q, R O, Y, G Q, R Y, G |
| U | F R Y, G R G |
| Z | E, F Q, R O, Y, G Q, R Q, R |
| AB | F R Y Q, R |
| AE | E, F Q, R O, Y R |

Electrical Parts List

Product safety should be considered when a component replacement is made in any area of a projector. Components indicated by a Δ mark in this parts list and the circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the following parts list be used for components replacement pointed out by the mark.

● Read Description in the parts list

Read description in the Capacitor and Resistor as follows:

CAPACITOR CERAMIC 100P K 50V

Rated Voltage

Tolerance Symbols:

Less than 10pF

A : Not specified B : $\pm 0.1\text{pF}$ C : $\pm 0.25\text{pF}$

D : $\pm 0.5\text{pF}$ E : $\pm 0.1\text{pF}$ F : $\pm 1\text{PF}$

G : $\pm 2\text{pF}$ H : $\pm 0.1 - 0\text{pF}$ L : $\pm 0 - 0.1\text{pF}$

R : $\pm 0.25 - 0\text{pF}$ S : $\pm 0 - 0.25\text{pF}$

More than 10pF

A : Not specified B : $\pm 0.1\%$ C : $\pm 0.25\%$

D : $\pm 0.5\%$ F : $\pm 1\%$ G : $\pm 2\%$

H : $\pm 3\%$ J : $\pm 5\%$ K : $\pm 10\%$

L : $\pm 15\%$ M : $\pm 20\%$ N : $\pm 30\%$

P : $\pm 100 - 0\%$ Q : $\pm 30 - 10\%$ T : $\pm 50 - 10\%$

U : $\pm 75 - 10\%$ V : $\pm 20 - 10\%$ W : $\pm 100 - 10\%$

X : $\pm 40 - 20\%$ Y : $\pm 150 - 10\%$ Z : $\pm 80 - 20\%$

Rated value: P=pico farad, U=micro farad

Material:

CERAMIC.....Ceramic

MT-PAPER.....Metallized Paper

POLYESTER.....Polyester

MT-POLYEST.....Metallized Polyester

POLYPRO.....Polypropylene

MT-POLYPRO.....Metallized Polypropylene

COMPO FILM.....Composite film

MT-COMPO.....Metallized Composite

STYRENE.....Styrene

TA-SOLID.....Tantalum Oxide Solid Electrolytic

AL-SOLID.....Aluminium Solid Electrolytic

ELECT.....Aluminum Foil Electrolytic

NP-ELECT.....Non-polarised Electrolytic

OS-SOLID.....Aluminium Solid with Organic Semiconductive Electrolytic

POS-SOLID.....Polymerized Organic Semiconductive

DL-ELECT.....Double Layered Electrolytic

PPS-FILM.....Polyphenylene Sulfide Film

MT-PPS-FILM.....Metallized Polyphenylene Sulfide Film

MT-PEN-FILM.....Metallized Polyethylenenaphthalate Film

CAPACITOR.....Other

RESISTOR CARBON 4.7K J A 1/4W

Rated Wattage

Performance Symbols:

A: General B: Non flammable Z: Low noise

Other: Temperature coefficient

T: $\pm 10\text{ppm}/^\circ\text{C}$ U: $\pm 25\text{ppm}/^\circ\text{C}$ C: $\pm 50\text{ppm}/^\circ\text{C}$

D: $\pm 100\text{ppm}/^\circ\text{C}$ E: $\pm 200\text{ppm}/^\circ\text{C}$ F: $\pm 250\text{ppm}/^\circ\text{C}$

G: $\pm 350\text{ppm}/^\circ\text{C}$ H: $\pm 1000\text{ppm}/^\circ\text{C}\pm 10\%$ W: $\pm 1200\text{ppm}/^\circ\text{C}\pm 10\%$

Y: $\pm 1400\text{ppm}/^\circ\text{C}\pm 10\%$ J: $\pm 2000\text{ppm}/^\circ\text{C}\pm 10\%$ K: $\pm 2400\text{ppm}/^\circ\text{C}\pm 10\%$

L: $\pm 2700\text{ppm}/^\circ\text{C}\pm 10\%$ M: $\pm 3000\text{ppm}/^\circ\text{C}\pm 10\%$ N: $\pm 3300\text{ppm}/^\circ\text{C}\pm 10\%$

P: $\pm 3600\text{ppm}/^\circ\text{C}\pm 10\%$ Q: $\pm 3900\text{ppm}/^\circ\text{C}\pm 10\%$ R: $\pm 4200\text{ppm}/^\circ\text{C}\pm 10\%$

S: $\pm 4300\text{ppm}/^\circ\text{C}\pm 10\%$ V: $\pm 4500\text{ppm}/^\circ\text{C}\pm 10\%$ X: $\pm 8000\text{ppm}/^\circ\text{C}\pm 10\%$

Tolerance Symbols:

A: $\pm 0.05\%$ B: $\pm 0.1\%$ C: $\pm 0.25\%$ D: $\pm 0.5\%$

F: $\pm 1\%$ G: $\pm 2\%$ J: $\pm 5\%$ K: $\pm 10\%$

M: $\pm 20\%$ P: $\pm 5 - 15\%$ Z: 0 ohm

Rated value, ohms:

K: 1,000, M: 1,000,000

Material:

CARBON.....Carbon

MT-FILM.....Metal Film

OXIDE-MT.....Oxide Metal Film

SOLID.....Composition

MT-GLAZE.....Metal Glaze

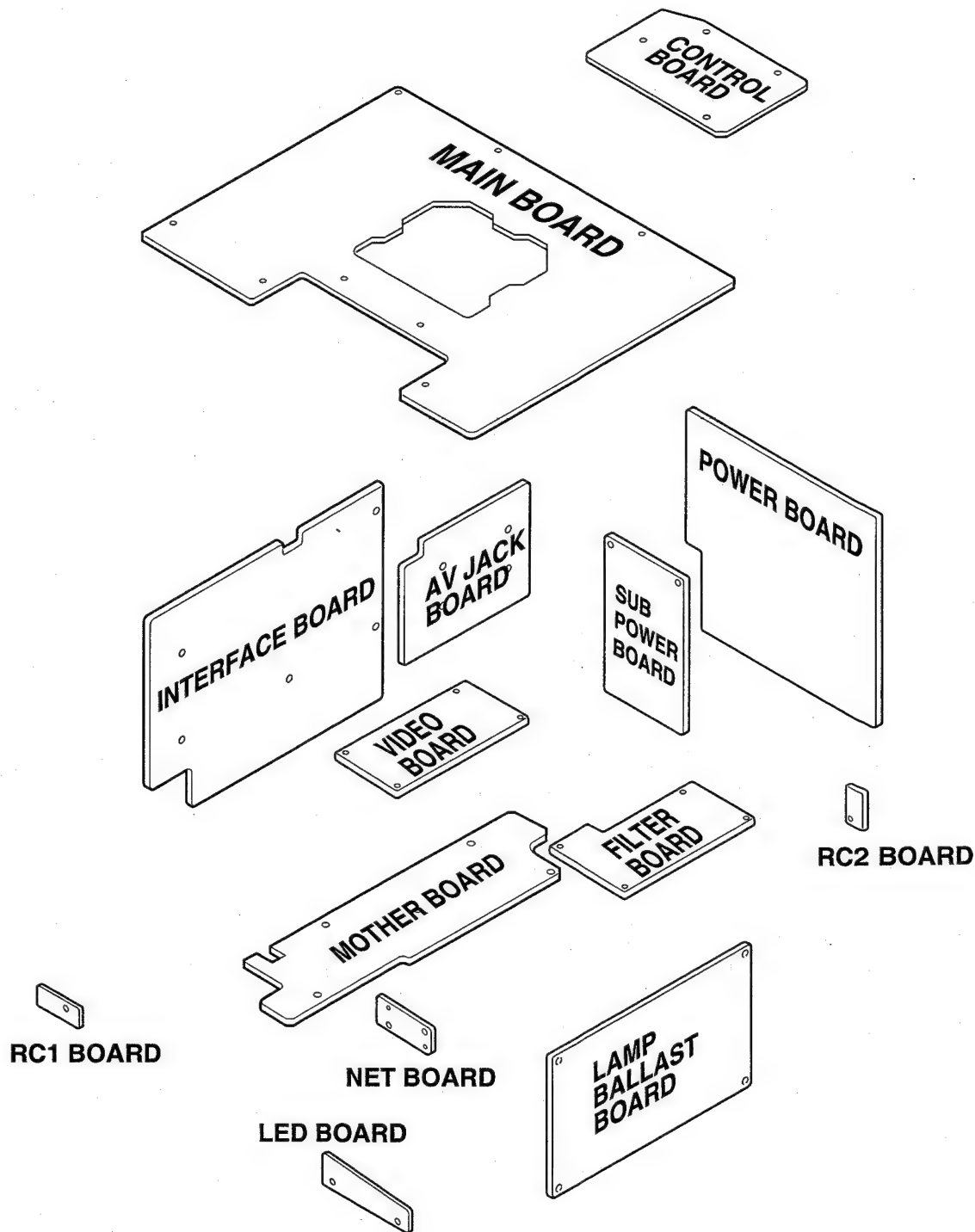
WIRE WOUND...Wire Wound

CERAMIC RES..Ceramic

FUSIBLE RES....Fusible

RESISTOROther

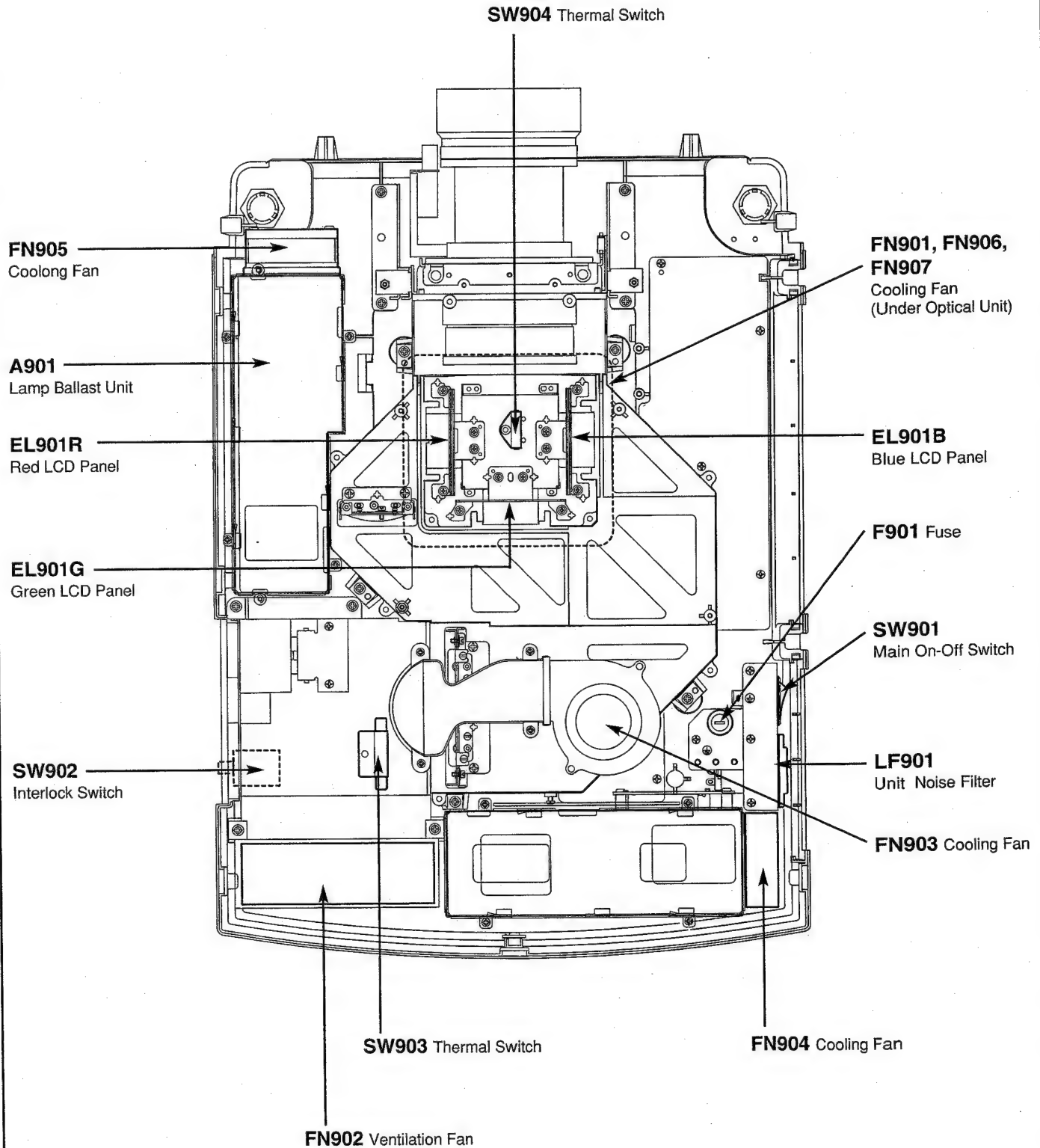
● BOARDS LOCATION



Electrical Parts List

Note: Parts order must contain Service Ref. No., Part No., and Descriptions.

● OUT OF CIRCUIT BOARD



Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|---|--------------|-------------------------|------------------|--------------|-------------------------|
| OUT OF CIRCUIT BOARD | | | CAPACITOR | | |
| △ LF901 | 645 030 4200 | UNIT, NOISE FILTER | C009 | 403 189 2405 | ELECT 10U M 16V |
| LF901A | 645 032 6318 | TERMINAL | C011 | 403 155 9902 | NP-ELECT 2.2U M 50V |
| △ LP901 | 610 280 4225 | LAMP ASSY (POA-LMP20J) | C012 | 403 155 9902 | NP-ELECT 2.2U M 50V |
| L901 | 645 020 3640 | CORE, FERRITE | C013 | 403 193 7809 | ELECT 100U M 16V |
| L902 | 645 020 3640 | CORE, FERRITE | C014 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| L903 | 645 020 3640 | CORE, FERRITE | C016 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| MISCELLANEOUS | | | C017 | 403 163 8409 | ELECT 47U M 16V |
| △ A901 | 645 037 7730 | UNIT, BALLAST | C018 | 403 193 7809 | ELECT 100U M 16V |
| EL901B | 645 037 7860 | LCD(LCX017CLT-6 B) | C019 | 403 192 5905 | CERAMIC 0.1U K 25V |
| EL901G | 645 037 7846 | LCD(LCX017CLT-8 G) | C021 | 403 192 5905 | CERAMIC 0.1U K 25V |
| | 645 037 7853 | LCD(LCX017CLT-7 R) | C022 | 403 047 5005 | ELECT 470U M 25V |
| EL901R | 645 037 7853 | LCD(LCX017CLT-7 R) | C023 | 403 046 5907 | ELECT 330U M 25V |
| △ FN901 | 645 032 8527 | MOTOR, FAN DC 2.5W | C024 | 403 046 5907 | ELECT 330U M 25V |
| △ FN902 | 645 026 9226 | MOTOR, FAN DC 7W | C026 | 403 047 5005 | ELECT 470U M 25V |
| △ FN903 | 645 038 1690 | MOTOR, FAN DC 4.6W | C1601 | 403 044 1703 | ELECT 470U M 16V |
| △ FN904 | 645 030 8345 | MOTOR, FAN DC 1.92W | C1602 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| △ FN905 | 645 029 2552 | MOTOR, FAN DC 1.44W | C1603 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| △ FN906 | 645 038 1690 | MOTOR, FAN DC 4.6W | C1611 | 403 044 1703 | ELECT 470U M 16V |
| △ FN907 | 645 038 1690 | MOTOR, FAN DC 4.6W | C1612 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| △ F901 | 423 025 1201 | FUSE 250V 8A | C1613 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| F901A | 645 023 3777 | HOLDER, FUSE | C1621 | 403 044 1703 | ELECT 470U M 16V |
| SP901 | 610 055 5471 | SPEAKER | C1622 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| SP902 | 610 055 5471 | SPEAKER | C1623 | 403 256 2406 | CERAMIC 0.22U Z 50V |
| △ SW901 | 645 028 5516 | SWITCH, POWER 2P-2TX2 | C1631 | 403 044 1703 | ELECT 470U M 16V |
| △ SW902 | 645 031 7743 | SWITCH, PUSH 2P-2TX2 | C1632 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| △ SW903 | 645 030 0745 | SWITCH, REED | C1633 | 403 044 1703 | ELECT 470U M 16V |
| △ SW904 | 645 032 6639 | SWITCH, REED | C1634 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| WK43A-AV | 645 037 0540 | FLEXIBLE FLAT CABLE | C5601 | 403 148 0404 | ELECT 1000U M 25V |
| WK43B-AV | 645 037 0540 | FLEXIBLE FLAT CABLE | | 403 301 7103 | ELECT 1000U M 25V |
| W902 | 610 273 1774 | CORD, ID-CONNECTOR M6MA | C5602 | 403 148 0404 | ELECT 1000U M 25V |
| W903 | 610 273 1781 | CORD, ID-CONNECTOR M6MA | | 403 301 7103 | ELECT 1000U M 25V |
| 610 281 3937 ASSY, PWB, MOTHER M6VAA | | | C5603 | 403 047 5005 | ELECT 470U M 25V |
| 1AA0B10C213AA | | | C5604 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| TRANSISTOR | | | C5606 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| Q001 | 405 014 4509 | TR 2SC2412K T146 R | C5607 | 403 148 0404 | ELECT 1000U M 25V |
| Q003 | 405 014 4509 | TR 2SC2412K T146 R | | 403 301 7103 | ELECT 1000U M 25V |
| Q004 | 405 014 4509 | TR 2SC2412K T146 R | C5608 | 403 148 0404 | ELECT 1000U M 25V |
| Q006 | 405 014 4509 | TR 2SC2412K T146 R | | 403 301 7103 | ELECT 1000U M 25V |
| Q5601 | 405 052 8002 | TR 2SB1274-R | C5609 | 403 147 9606 | ELECT 1000U M 10V |
| | 405 052 8101 | TR 2SB1274-S | | 403 301 2306 | ELECT 1000U M 10V |
| Q5602 | 405 014 4509 | TR 2SC2412K T146 R | C5611 | 403 119 7609 | ELECT 2200U M 10V |
| Q5603 | 405 052 8002 | TR 2SB1274-R | | 403 313 5906 | ELECT 2200U M 10V |
| | 405 052 8101 | TR 2SB1274-S | C5612 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| Q5604 | 405 014 4509 | TR 2SC2412K T146 R | C5613 | 403 119 7609 | ELECT 2200U M 10V |
| Q5606 | 405 144 6503 | TR 2SK2312 | | 403 313 5906 | ELECT 2200U M 10V |
| Q5607 | 405 014 4509 | TR 2SC2412K T146 R | C5614 | 403 119 7609 | ELECT 2200U M 10V |
| Q5608 | 405 014 4509 | TR 2SC2412K T146 R | | 403 313 5906 | ELECT 2200U M 10V |
| Q5801 | 405 014 4509 | TR 2SC2412K T146 R | C5616 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| Q5802 | 405 014 4509 | TR 2SC2412K T146 R | C5617 | 403 119 7609 | ELECT 2200U M 10V |
| Q5803 | 405 014 4509 | TR 2SC2412K T146 R | | 403 313 5906 | ELECT 2200U M 10V |
| Q5806 | 405 014 4509 | TR 2SC2412K T146 R | C5618 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| INTEGRATED CIRCUIT | | | C5619 | 403 193 7809 | ELECT 100U M 16V |
| IC001 | 409 017 7208 | IC LA4261 | C5621 | 403 193 7809 | ELECT 100U M 16V |
| IC1601 | 409 114 4803 | IC LB1641 | C5624 | 403 044 1703 | ELECT 470U M 16V |
| IC1611 | 409 114 4803 | IC LB1641 | C5626 | 403 119 7609 | ELECT 2200U M 10V |
| IC1621 | 409 085 1900 | IC LB1645N | | 403 313 5906 | ELECT 2200U M 10V |
| IC5601 | 409 367 2809 | IC BA178M09T | C5631 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| IC5602 | 410 344 0404 | IC LT1585CT-3.45 | C5632 | 403 147 9606 | ELECT 1000U M 10V |
| IC5801 | 409 403 6204 | IC M66010GP | | 403 301 2306 | ELECT 1000U M 10V |
| | | | C5633 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| | | | C5801 | 403 316 5408 | CERAMIC 1U K 10V |
| | | | C5841 | 403 316 5408 | CERAMIC 1U K 10V |
| | | | C5842 | 403 205 7803 | TA-SOLID 2.2U M 16V |
| | | | RESISTOR | | |
| | | | R011 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|----------|--------------|-------------------------|----------|--------------|-------------------------|
| R012 | 401 038 7700 | MT-GLAZE 5.6K JA 1/10W | R5808 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R013 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | R5809 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R014 | 401 038 7700 | MT-GLAZE 5.6K JA 1/10W | R5810 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R019 | 401 037 9309 | MT-GLAZE 18K JA 1/10W | R5811 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R021 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W | R5812 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R022 | 401 037 9309 | MT-GLAZE 18K JA 1/10W | R5813 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R023 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W | R5814 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R024 | 401 038 2002 | MT-GLAZE 270 JA 1/10W | R5815 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R026 | 401 038 0602 | MT-GLAZE 220 JA 1/10W | R5816 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R027 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R5817 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R028 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R5818 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R029 | 401 038 2002 | MT-GLAZE 270 JA 1/10W | R5819 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R031 | 401 090 2002 | MT-GLAZE 3.9 JA 1/10W | R5821 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R034 | 401 090 2002 | MT-GLAZE 3.9 JA 1/10W | R5822 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R036 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R5823 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R037 | 401 038 7700 | MT-GLAZE 5.6K JA 1/10W | R5825 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R038 | 401 038 7601 | MT-GLAZE 560 JA 1/10W | R5826 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R039 | 401 038 7601 | MT-GLAZE 560 JA 1/10W | R5827 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R041 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | R5828 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R043 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | R5829 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R045 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | R5831 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R1601 | 401 038 3603 | MT-GLAZE 3.3K JA 1/10W | R5832 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R1602 | 401 038 3603 | MT-GLAZE 3.3K JA 1/10W | R5833 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R1603 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | R5834 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R1604 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | R5835 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R1611 | 401 038 3603 | MT-GLAZE 3.3K JA 1/10W | R5842 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R1612 | 401 038 3603 | MT-GLAZE 3.3K JA 1/10W | R5843 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R1613 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | R5846 | 401 038 7700 | MT-GLAZE 5.6K JA 1/10W |
| R1614 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | R5847 | 401 038 7700 | MT-GLAZE 5.6K JA 1/10W |
| R1621 | 401 038 3603 | MT-GLAZE 3.3K JA 1/10W | R5848 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R1622 | 401 038 3603 | MT-GLAZE 3.3K JA 1/10W | | | |
| R1623 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | | | |
| R1624 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | | | |
| R5601 | 401 238 4400 | MT-GLAZE 2.7K JA 1/3W | | | |
| R5602 | 401 238 4202 | MT-GLAZE 1.5K JA 1/3W | | | |
| R5603 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | | | |
| R5604 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W | | | |
| R5608 | 401 238 4400 | MT-GLAZE 2.7K JA 1/3W | | | |
| R5609 | 401 238 4202 | MT-GLAZE 1.5K JA 1/3W | | | |
| R5611 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | | | |
| R5612 | 401 038 2101 | MT-GLAZE 2.7K JA 1/10W | | | |
| R5613 | 401 067 4206 | OXIDE-MT 33 JA 2W | | | |
| R5614 | 401 064 6302 | OXIDE-MT 10 JA 2W | | | |
| R5616 | 401 037 8005 | MT-GLAZE 15K JA 1/10W | | | |
| R5617 | 401 037 5707 | MT-GLAZE 100K JA 1/10W | | | |
| R5621 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | | | |
| R5624 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | | | |
| R5625 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | | | |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|--------------------------------------|--------------|---------------------------|---|--------------|--------------------------|
| CAPACITOR | | | R6853 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| C6801 | 403 070 2606 | CERAMIC 0.1U Z 50V | R6854 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| C6802 | 403 070 2606 | CERAMIC 0.1U Z 50V | R6856 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| C6803 | 403 070 2606 | CERAMIC 0.1U Z 50V | DIODE | | |
| RESISTOR | | | D6851 | 407 196 9907 | LED SEL4828A |
| R6801 | 401 038 0800 | MT-GLAZE 22K JA 1/10W | D6851A | 610 274 7492 | HOLDER LED-M6MGL |
| R6802 | 401 037 8005 | MT-GLAZE 15K JA 1/10W | D6852 | 407 196 9709 | LED SEL4228C |
| R6803 | 401 038 7700 | MT-GLAZE 5.6K JA 1/10W | D6853 | 407 196 9808 | LED SEL4428E |
| R6804 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W | D6854 | 407 196 9709 | LED SEL4228C |
| R6806 | 401 038 2101 | MT-GLAZE 2.7K JA 1/10W | 610 277 6041ASSY,PWB,NET M6VA | | |
| R6807 | 401 037 9200 | MT-GLAZE 1.8K JA 1/10W | 1AA0B10C2130G | | |
| R6808 | 401 037 7909 | MT-GLAZE 1.5K JA 1/10W | RESISTOR | | |
| R6809 | 401 038 6307 | MT-GLAZE 470 JA 1/10W | R6891 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R6812 | 401 038 0800 | MT-GLAZE 22K JA 1/10W | R6892 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R6813 | 401 037 8005 | MT-GLAZE 15K JA 1/10W | R6893 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R6814 | 401 038 7700 | MT-GLAZE 5.6K JA 1/10W | DIODE | | |
| R6816 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W | D6891 | 407 149 0807 | DIODE 1SS355-TE-17 |
| R6817 | 401 038 2101 | MT-GLAZE 2.7K JA 1/10W | D6892 | 407 149 0807 | DIODE 1SS355-TE-17 |
| R6818 | 401 037 9200 | MT-GLAZE 1.8K JA 1/10W | D6893 | 407 149 0807 | DIODE 1SS355-TE-17 |
| R6819 | 401 037 7909 | MT-GLAZE 1.5K JA 1/10W | 610 282 9297ASSY,PWB,POWER M6VAA | | |
| R6821 | 401 038 6307 | MT-GLAZE 470 JA 1/10W | 1AA0B10C221AA | | |
| R6823 | 401 038 0800 | MT-GLAZE 22K JA 1/10W | TRANSISTOR | | |
| R6824 | 401 037 8005 | MT-GLAZE 15K JA 1/10W | Q601 | 405 135 5409 | TR 2SK1544 |
| R6826 | 401 038 7700 | MT-GLAZE 5.6K JA 1/10W | Q602 | 405 135 5409 | TR 2SK1544 |
| R6827 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W | Q621 | 405 014 4509 | TR 2SC2412K T146 R |
| R6828 | 401 038 2101 | MT-GLAZE 2.7K JA 1/10W | Q622 | 405 002 0308 | TR 2SA1037K T146 R |
| R6829 | 401 037 9200 | MT-GLAZE 1.8K JA 1/10W | Q661 | 405 014 4509 | TR 2SC2412K T146 R |
| R6831 | 401 037 7909 | MT-GLAZE 1.5K JA 1/10W | Q662 | 405 014 4509 | TR 2SC2412K T146 R |
| R6832 | 401 038 6307 | MT-GLAZE 470 JA 1/10W | INTEGRATED CIRCUIT | | |
| DIODE | | | IC621 | 409 406 7000 | IC FA5331M |
| D6801 | 407 179 1706 | ZENER DIODE UDZ5.1B-TE-17 | IC631 | 409 179 4503 | IC STR81145A |
| D6802 | 407 179 1706 | ZENER DIODE UDZ5.1B-TE-17 | IC632 | 409 426 6809 | IC STR-Z2154C |
| D6803 | 407 179 1706 | ZENER DIODE UDZ5.1B-TE-17 | IC661 | 410 310 6706 | IC SI-3120FA LF1113 |
| D6804 | 407 179 1706 | ZENER DIODE UDZ5.1B-TE-17 | IC662 | 409 308 8600 | IC SE005N |
| MISCELLANEOUS | | | CAPACITOR | | |
| SW6801 | 645 025 3478 | SWITCH,PUSH 1P-2TX1 | C608 | 404 071 2107 | MT-POLYEST 0.1U K 250V |
| SW6802 | 645 025 3478 | SWITCH,PUSH 1P-2TX1 | C609 | 403 165 6007 | CERAMIC 1000P K 1K |
| SW6803 | 645 025 3478 | SWITCH,PUSH 1P-2TX1 | | 403 222 1303 | CERAMIC 1000P K 1K |
| SW6804 | 645 025 3478 | SWITCH,PUSH 1P-2TX1 | C611 | 403 165 6007 | CERAMIC 1000P K 1K |
| SW6806 | 645 025 3478 | SWITCH,PUSH 1P-2TX1 | | 403 222 1303 | CERAMIC 1000P K 1K |
| SW6807 | 645 025 3478 | SWITCH,PUSH 1P-2TX1 | C612 | 403 147 9606 | ELECT 1000U M 10V |
| SW6808 | 645 025 3478 | SWITCH,PUSH 1P-2TX1 | C613 | 403 147 9606 | ELECT 1000U M 10V |
| SW6809 | 645 025 3478 | SWITCH,PUSH 1P-2TX1 | C614 | 403 275 6003 | MT-POLYEST 1.5U J 400V |
| SW6811 | 645 025 3478 | SWITCH,PUSH 1P-2TX1 | C616 | 403 275 6003 | MT-POLYEST 1.5U J 400V |
| SW6812 | 645 025 3478 | SWITCH,PUSH 1P-2TX1 | C617 | 403 148 1807 | ELECT 220U M 35V |
| SW6813 | 645 025 3478 | SWITCH,PUSH 1P-2TX1 | C618 | 404 061 3602 | ELECT 470U M 400V |
| SW6814 | 645 025 3478 | SWITCH,PUSH 1P-2TX1 | C619 | 404 061 3602 | ELECT 470U M 400V |
| SW6816 | 645 025 3478 | SWITCH,PUSH 1P-2TX1 | C621 | 403 323 8706 | MT-POLYEST 0.047U K 450V |
| SW6817 | 645 025 3478 | SWITCH,PUSH 1P-2TX1 | C622 | 403 074 9502 | CERAMIC 680P K 50V |
| SW6818 | 645 025 3478 | SWITCH,PUSH 1P-2TX1 | C623 | 403 075 2304 | CERAMIC 0.068U Z 50V |
| SW6819 | 645 025 3478 | SWITCH,PUSH 1P-2TX1 | C624 | 403 070 2606 | CERAMIC 0.1U Z 50V |
| SW6821 | 645 025 3478 | SWITCH,PUSH 1P-2TX1 | C625 | 403 030 7009 | CERAMIC 68P J 50V |
| SW6822 | 645 025 3478 | SWITCH,PUSH 1P-2TX1 | C626 | 403 069 5601 | CERAMIC 0.01U K 50V |
| 610 277 6003ASSY,PWB,LED M6VA | | | C627 | 403 073 7301 | CERAMIC 470P K 50V |
| 1AA0B10C2130C | | | C628 | 403 073 1200 | CERAMIC 0.033U K 50V |
| CAPACITOR | | | C631 | 404 071 2107 | MT-POLYEST 0.1U K 250V |
| C6851 | 403 069 9500 | CERAMIC 0.01U Z 50V | 610 277 6003ASSY,PWB,LED M6VA | | |
| RESISTOR | | | 1AA0B10C2130C | | |
| R6851 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | CAPACITOR | | |
| R6852 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | RESISTOR | | |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|-----------------|--------------|------------------------|--------------------------|--------------|--------------------------|
| C632 | 403 165 6007 | CERAMIC 1000P K 1K | R630 | 401 038 0503 | MT-GLAZE 22 JA 1/10W |
| | 403 222 1303 | CERAMIC 1000P K 1K | R631 | 402 082 0303 | WIRE WOUND 1.5 JA 7W |
| C633 | 403 165 6007 | CERAMIC 1000P K 1K | R632 | 402 082 0303 | WIRE WOUND 1.5 JA 7W |
| | 403 222 1303 | CERAMIC 1000P K 1K | R633 | 401 068 1501 | OXIDE-MT 4.7 JA 2W |
| C634 | 403 146 5500 | ELECT 2.2U M 450V | R634 | 401 263 0101 | MT-GLAZE 100K JA 1W |
| C636 | 403 070 0909 | CERAMIC 0.1U K 50V | R636 | 401 263 0101 | MT-GLAZE 100K JA 1W |
| C637 | 403 180 4101 | MT-POLYEST 0.1U K 630V | R637 | 401 263 0101 | MT-GLAZE 100K JA 1W |
| C638 | 403 107 9509 | ELECT 100U M 10V | R638 | 401 263 0101 | MT-GLAZE 100K JA 1W |
| C639 | 404 053 8103 | ELECT 220U M 250V | R641 | 401 069 4402 | OXIDE-MT 68K JA 2W |
| C641 | 404 053 8103 | ELECT 220U M 250V | R642 | 401 069 4402 | OXIDE-MT 68K JA 2W |
| C643 | 403 156 9000 | ELECT 2.2U M 50V | △ R643 | 402 079 7803 | FUSIBLE RES 22 JH 1/4W |
| C644 | 403 237 7901 | MT-COMPO 0.22U J 50V | R644 | 401 238 4509 | MT-GLAZE 47 JA 1/3W |
| C646 | 403 069 1702 | CERAMIC 1000P K 50V | R646 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| C647 | 403 165 8803 | CERAMIC 330P K 2K | R647 | 401 260 4201 | MT-GLAZE 82 JA 1/3W |
| C648 | 403 070 2606 | CERAMIC 0.1U Z 50V | R648 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| C649 | 403 167 8603 | CERAMIC 220P K 2K | R649 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| C651 | 403 074 9502 | CERAMIC 680P K 50V | R651 | 402 080 7908 | MT-GLAZE 180 KA 1W |
| C652 | 403 156 8805 | ELECT 1U M 50V | R653 | 401 038 3504 | MT-GLAZE 330 JA 1/10W |
| C653 | 403 148 1807 | ELECT 220U M 35V | R654 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| C654 | 403 070 2606 | CERAMIC 0.1U Z 50V | R655 | 401 037 7909 | MT-GLAZE 1.5K JA 1/10W |
| C656 | 403 333 3500 | POLYPRO 0.022U J 630V | R657 | 401 038 6604 | MT-GLAZE 470K JA 1/10W |
| C657 | 403 070 2606 | CERAMIC 0.1U Z 50V | R658 | 401 037 9408 | MT-GLAZE 180K JA 1/10W |
| C661 | 403 148 0701 | ELECT 2200U M 25V | R659 | 401 148 2701 | MT-GLAZE 1.1K FA 1/10W |
| | 403 313 6002 | ELECT 2200U M 25V | R660 | 401 092 3304 | MT-GLAZE 1.2K FA 1/10W |
| C662 | 403 148 0701 | ELECT 2200U M 25V | R661 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| | 403 313 6002 | ELECT 2200U M 25V | △ R662 | 402 079 7704 | FUSIBLE RES 1.0 JH 1/4W |
| C663 | 403 126 4806 | ELECT 3300U M 10V | R663 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| | 403 313 6408 | ELECT 3300U M 10V | R664 | 401 038 7601 | MT-GLAZE 560 JA 1/10W |
| C664 | 403 126 4806 | ELECT 3300U M 10V | R666 | 401 037 5103 | MT-GLAZE 10 JA 1/10W |
| | 403 313 6408 | ELECT 3300U M 10V | R667 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| C666 | 403 070 2606 | CERAMIC 0.1U Z 50V | R668 | 401 258 4404 | MT-GLAZE 5.6 JA 1/3W |
| C667 | 403 070 2606 | CERAMIC 0.1U Z 50V | R669 | 401 258 4404 | MT-GLAZE 5.6 JA 1/3W |
| C668 | 403 148 0404 | ELECT 1000U M 25V | R671 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| | 403 301 7103 | ELECT 1000U M 25V | R672 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| C669 | 403 155 5607 | ELECT 220U M 10V | R673 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| C671 | 403 156 9208 | ELECT 4.7U M 50V | R674 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| C672 | 403 148 0305 | ELECT 470U M 16V | | | |
| RESISTOR | | | | | |
| △ RL601 | 645 028 1310 | RELAY | VARIABLE RESISTOR | | |
| | 645 028 1303 | RELAY | VR661 | 645 002 3538 | VR, SEMI, 4.7K S |
| △ RL602 | 645 028 1310 | RELAY | VR662 | 645 002 3521 | VR, SEMI, 470 S |
| | 645 028 1303 | RELAY | VR671 | 645 002 3460 | VR, SEMI, 1K S |
| R606 | 402 080 7809 | MT-GLAZE 150 KA 1W | TRANSFORMER | | |
| R607 | 401 166 0802 | MT-GLAZE 330 JA 1/2W | △ TSW601 | 645 017 3691 | SWITCH, THERMAL |
| R608 | 402 078 5701 | WIRE WOUND 3.9 JA 7W | TSW601B | 411 047 0104 | SCR PAN+SW+W 3X8 |
| R609 | 401 237 0007 | MT-GLAZE 47K JA 1W | TSW601H | 645 028 4960 | HEAT SINK |
| R611 | 401 237 0007 | MT-GLAZE 47K JA 1W | △ T601 | 645 028 0634 | INDUCTOR, 800U |
| R612 | 401 237 0007 | MT-GLAZE 47K JA 1W | △ T631 | 645 028 0641 | TRANS, POWER, PULSE |
| R613 | 401 237 0007 | MT-GLAZE 47K JA 1W | COIL | | |
| R614 | 402 079 4703 | RESISTER 0.1JA 5W | △ L604 | 645 030 7676 | LINE FILTER |
| R616 | 402 079 4703 | RESISTER 0.1JA 5W | △ L605 | 645 025 7827 | LINE FILTER |
| R617 | 401 038 5508 | MT-GLAZE 4.7 JA 1/10W | DIODE | | |
| R618 | 401 038 5508 | MT-GLAZE 4.7 JA 1/10W | DB601 | 407 143 6003 | DIODE RBV-1506 |
| R619 | 401 242 3901 | MT-GLAZE 240K JA 1/2W | DB631 | 407 161 8300 | DIODE RBV-408 LF-B |
| R621 | 401 242 3901 | MT-GLAZE 240K JA 1/2W | | 407 141 1000 | DIODE RBV-408 |
| R622 | 401 259 9002 | MT-GLAZE 150K FA 1/2W | DS601 | 407 175 2400 | THYRISTOR CR12AM-12 |
| | 401 260 0500 | MT-GLAZE 150K FD 1/2W | DZ601 | 407 125 5307 | ZENER DIODE RD27M-T1BB |
| R623 | 401 259 9002 | MT-GLAZE 150K FA 1/2W | | 407 140 0608 | ZENER DIODE 02CZ27-TE85L |
| | 401 260 0500 | MT-GLAZE 150K FD 1/2W | DZ631 | 407 071 0104 | ZENER DIODE DZD12Y-TA |
| R624 | 401 259 9002 | MT-GLAZE 150K FA 1/2W | | 407 175 2806 | ZD 02CZ12Y(TE85R) |
| | 401 260 0500 | MT-GLAZE 150K FD 1/2W | DZ661 | 407 198 6607 | ZD 02CZ6.8Z(TE85R) |
| R626 | 401 259 9002 | MT-GLAZE 150K FA 1/2W | | 407 071 7806 | ZENER DIODE DZD6.8Z-TB |
| | 401 260 0500 | MT-GLAZE 150K FD 1/2W | D601 | 407 190 4106 | DIODE SFPL-52V |
| R627 | 401 037 5202 | MT-GLAZE 100 JA 1/10W | D602 | 407 190 4106 | DIODE SFPL-52V |
| R628 | 401 038 0800 | MT-GLAZE 22K JA 1/10W | D603 | 407 174 2302 | DIODE AK06 |
| R629 | 401 038 3801 | MT-GLAZE 330K JA 1/10W | D604 | 407 174 2302 | DIODE AK06 |
| | | | D606 | 407 174 0308 | DIODE FML-36S |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|---|--------------|------------------------|---|--------------|-------------------------|
| D621 | 407 004 1000 | DIODE DCC010-TB | R696 | 401 066 9004 | OXIDE-MT 27 JA 2W |
| D622 | 407 004 1000 | DIODE DCC010-TB | R697 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| D631 | 407 009 6901 | DIODE RM11C | VARIABLE RESISTOR | | |
| D632 | 407 190 4106 | DIODE SFPL-52V | VR681 | 645 002 3538 | VR, SEMI, 4.7K S |
| D633 | 407 100 6909 | DIODE AG01 | COIL | | |
| D635 | 407 009 6901 | DIODE RM11C | L681 | 645 007 7968 | INDUCTOR, 10U M |
| D636 | 407 009 6901 | DIODE RM11C | L682 | 645 028 0627 | INDUCTOR, 300U |
| D661 | 407 202 9808 | DIODE FMB-26L | DIODE | | |
| D662 | 407 164 2206 | DIODE FMB-24L | D681 | 407 004 0706 | DIODE DCB015-TB |
| D663 | 407 190 4106 | DIODE SFPL-52V | D682 | 407 004 0706 | DIODE DCB015-TB |
| D664 | 407 004 0706 | DIODE DCB015-TB | D683 | 407 207 3801 | DIODE RK46 LF-J2 |
| D666 | 407 004 0706 | DIODE DCB015-TB | | 407 148 4806 | DIODE RK46 LF-J3 |
| MISCELLANEOUS | | | D684 | 407 004 0706 | DIODE DCB015-TB |
| FB601 | 610 229 3531 | CORE | D691 | 407 042 7309 | LED TLR144 |
| FB602 | 610 229 3531 | CORE | D691A | 645 015 9510 | SPACER |
| △ PC601 | 408 014 9703 | PC CNY17F-3OPT1+6 | 610 278 8389ASSY,PWB,LINE FLITER | | |
| | 408 016 8803 | PC PC113 (VDE0884) | M6VA1AA0B10C221A0 | | |
| △ PC602 | 408 014 9703 | PC CNY17F-3OPT1+6 | CAPACITOR | | |
| | 408 016 8803 | PC PC113 (VDE0884) | △ C601 | 404 071 2503 | MT-POLYEST 0.47U K 250V |
| △ PC603 | 408 014 9703 | PC CNY17F-3OPT1+6 | △ C603 | 404 071 2503 | MT-POLYEST 0.47U K 250V |
| | 408 016 8803 | PC PC113 (VDE0884) | △ C604 | 404 060 6505 | CERAMIC 2200P M 400V |
| | | | △ C605 | 404 060 6505 | CERAMIC 2200P M 400V |
| | | | △ C606 | 404 060 6505 | CERAMIC 2200P M 400V |
| | | | △ C607 | 404 060 6505 | CERAMIC 2200P M 400V |
| 610 282 9808ASSY,PWB,SUB POWER M6VAA | | | RESISTOR | | |
| 1AA0B10C221AC | | | △ R601 | 401 008 8607 | CARBON 220K JA 1/2W |
| TRANSISTOR | | | VARIABLE RESISTOR | | |
| Q681 | 405 014 4509 | TR 2SC2412K T146 R | VA601 | 407 130 2902 | VARISTOR ENC471D-14A |
| Q682 | 405 014 4509 | TR 2SC2412K T146 R | COIL | | |
| Q683 | 405 014 4509 | TR 2SC2412K T146 R | △ L601 | 645 028 5929 | LINE FILTER |
| INTEGRATED CIRCUIT | | | △ L602 | 645 028 5929 | LINE FILTER |
| IC681 | 410 312 9309 | IC SI-8090S LF1113 | △ L603 | 645 028 5929 | LINE FILTER |
| CAPACITOR | | | 610 281 0004ASSY,PWB,MAIN ME6A | | |
| C681 | 403 126 4509 | ELECT 100U M 16V | 1AA0B10C23300 | | |
| C682 | 403 126 4509 | ELECT 100U M 16V | TRANSISTOR | | |
| C683 | 403 126 4509 | ELECT 100U M 16V | Q101 | 405 014 4509 | TR 2SC2412K T146 R |
| C684 | 403 148 0107 | ELECT 1000U M 16V | Q1101 | 405 014 4509 | TR 2SC2412K T146 R |
| | 403 301 2405 | ELECT 1000U M 16V | Q1181 | 405 014 4509 | TR 2SC2412K T146 R |
| C687 | 403 148 0107 | ELECT 1000U M 16V | Q1182 | 405 014 4509 | TR 2SC2412K T146 R |
| | 403 301 2405 | ELECT 1000U M 16V | Q1183 | 405 014 4509 | TR 2SC2412K T146 R |
| C688 | 403 070 2606 | CERAMIC 0.1U Z 50V | Q1201 | 405 014 4509 | TR 2SC2412K T146 R |
| C689 | 403 148 0701 | ELECT 2200U M 25V | Q121 | 405 014 4509 | TR 2SC2412K T146 R |
| | 403 313 6002 | ELECT 2200U M 25V | Q1360 | 405 047 4606 | TR 2SC3650-TD |
| C691 | 403 070 2606 | CERAMIC 0.1U Z 50V | Q1371 | 405 134 5905 | TR 2SA1037AK-T146-R |
| C692 | 403 147 9606 | ELECT 1000U M 10V | Q1372 | 405 134 5905 | TR 2SA1037AK-T146-R |
| C693 | 403 070 2606 | CERAMIC 0.1U Z 50V | Q1373 | 405 134 5905 | TR 2SA1037AK-T146-R |
| C694 | 403 070 2606 | CERAMIC 0.1U Z 50V | Q1441 | 405 014 4509 | TR 2SC2412K T146 R |
| C696 | 403 119 8002 | ELECT 470U M 25V | Q1451 | 405 014 4509 | TR 2SC2412K T146 R |
| RESISTOR | | | Q161 | 405 014 4509 | TR 2SC2412K T146 R |
| R681 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | Q162 | 405 014 4509 | TR 2SC2412K T146 R |
| R682 | 401 203 1106 | MT-GLAZE 8.2 JA 1W | Q163 | 405 134 5905 | TR 2SA1037AK-T146-R |
| R682A | 401 203 1106 | MT-GLAZE 8.2 JA 1W | Q171 | 405 014 4509 | TR 2SC2412K T146 R |
| R683 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | Q1874 | 405 134 5905 | TR 2SA1037AK-T146-R |
| R684 | 401 259 1501 | MT-GLAZE 2.2 JA 1/3W | Q1875 | 405 014 4509 | TR 2SC2412K T146 R |
| R684A | 401 259 1501 | MT-GLAZE 2.2 JA 1/3W | Q1891 | 405 014 4509 | TR 2SC2412K T146 R |
| R686 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | Q191 | 405 014 4509 | TR 2SC2412K T146 R |
| R687 | 401 259 1501 | MT-GLAZE 2.2 JA 1/3W | | | |
| R689 | 401 035 4108 | MT-GLAZE 0.000 ZA 1/8W | | | |
| R691 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | | | |
| R692 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | | | |
| R693 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | | | |
| R694 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | | | |
| R695 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | | | |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|---------------------------|--------------|--------------------------|----------|--------------|--------------------------|
| Q271 | 405 014 4509 | TR 2SC2412K T146 R | IC241 | 409 357 6602 | IC LT1260CS |
| Q3811 | 405 014 4509 | TR 2SC2412K T146 R | IC301 | 410 329 4403 | IC UPD82342N7-001-H6 |
| Q4301 | 405 014 4509 | TR 2SC2412K T146 R | IC302 | 410 325 4605 | IC TC74LCX244FT |
| Q491 | 405 047 4606 | TR 2SC3650-TD | | 410 325 4704 | IC HD74LVC244AT |
| Q492 | 405 002 8304 | TR 2SA1203-Y-TE12L | IC3201 | 410 319 4208 | IC MB81G163222-80TQ |
| INTEGRATED CIRCUIT | | | IC3211 | 410 319 4208 | IC MB81G163222-80TQ |
| IC101 | 409 464 6908 | IC VPC3215C/B8 | IC3221 | 410 319 4208 | IC MB81G163222-80TQ |
| IC102 | 409 444 3804 | IC CIP3250A/B1 | IC3241 | 410 335 5708 | IC HD74ALVCH16374T |
| IC103 | 410 325 4605 | IC TC74LCX244FT | IC3251 | 410 335 5708 | IC HD74ALVCH16374T |
| | 410 325 4704 | IC HD74LVC244AT | IC3301 | 409 428 7101 | IC AV9155C |
| IC104 | 410 337 0503 | IC TC74LCX14FT | IC3321 | 409 428 7101 | IC AV9155C |
| | 410 337 0602 | IC HD74LVC14T | IC3341 | 409 428 7606 | IC MPC948FA |
| IC105 | 409 211 7301 | IC MC14053BFL | IC3361 | 409 428 7507 | IC MC74LCX04DT |
| | 409 051 2900 | IC TC4053BF-TP1 | | 409 429 2808 | IC TC74LCX04FT-(EL) |
| IC106 | 409 350 3400 | IC LT1253CS8 | | 410 356 7804 | IC SN74LVC04APWR |
| IC107 | 409 350 3400 | IC LT1253CS8 | IC3801 | 409 468 8908 | IC ML60851CTB |
| IC1101 | 410 347 5109 | IC LC98500BT-RF4 | IC3802 | 409 445 7306 | IC QS3125QX |
| IC1102 | 410 332 2601 | IC MSM56V16160D-10TS-K | IC3803 | 409 443 9609 | IC MC74HC32ADT |
| IC1103 | 409 428 7507 | IC MC74LCX04DT | IC3804 | 409 443 9609 | IC MC74HC32ADT |
| | 409 429 2808 | IC TC74LCX04FT-(EL) | IC3805 | 409 330 2508 | IC TC7SH04FU-(TE85L) |
| | 410 356 7804 | IC SN74LVC04APWR | | 410 356 7606 | IC SN74AHC1G04HDCR |
| IC1104 | 409 444 8700 | IC ICS1523M-ER | IC401 | 409 464 9909 | IC CXD2467AQ |
| IC1111 | 409 429 6400 | IC AD8055ART | IC403 | 410 325 4605 | IC TC74LCX244FT |
| IC1112 | 409 429 6400 | IC AD8055ART | | 410 325 4704 | IC HD74LVC244AT |
| IC1113 | 409 429 6400 | IC AD8055ART | IC404 | 410 325 4605 | IC TC74LCX244FT |
| IC1181 | 410 308 6404 | IC MB40988PFQ-G-MSBND | | 410 325 4704 | IC HD74LVC244AT |
| IC1201 | 409 444 8700 | IC ICS1523M-ER | IC405 | 410 325 4605 | IC TC74LCX244FT |
| IC1221 | 410 325 4605 | IC TC74LCX244FT | | 410 325 4704 | IC HD74LVC244AT |
| | 410 325 4704 | IC HD74LVC244AT | IC406 | 410 311 5708 | IC MC74HCT244ADT |
| IC1271 | 409 444 8700 | IC ICS1523M-ER | | 410 315 5506 | IC HD74HCT244TV |
| IC1272 | 410 325 4605 | IC TC74LCX244FT | | 410 356 7507 | IC SN74HCT244PWR |
| | 410 325 4704 | IC HD74LVC244AT | IC407 | 410 311 5708 | IC MC74HCT244ADT |
| IC1273 | 409 330 2508 | IC TC7SH04FU-(TE85L) | | 410 315 5506 | IC HD74HCT244TV |
| | 410 356 7606 | IC SN74AHC1G04HDCR | | 410 356 7507 | IC SN74HCT244PWR |
| IC1301 | 409 431 6009 | IC MC74VHC14DT | IC4201 | 410 333 7209 | IC AD9054ABST-135 |
| | 410 356 8009 | IC SN74LV14APWR | IC4221 | 410 333 7209 | IC AD9054ABST-135 |
| IC1351 | 410 333 8404 | IC MB40950PFQ-G-MSBND | IC4241 | 410 333 7209 | IC AD9054ABST-135 |
| IC1352 | 409 429 6400 | IC AD8055ART | IC4301 | 409 448 0007 | IC LC24049A-PK3 |
| IC1353 | 409 429 6400 | IC AD8055ART | IC4302 | 410 320 0404 | IC MC74LCX16374DT |
| IC1354 | 409 429 6400 | IC AD8055ART | | 410 321 8508 | IC TC74LCX16374AFT |
| IC1361 | 410 333 8404 | IC MB40950PFQ-G-MSBND | | 410 356 7705 | IC SN74LVCH16374ADGG |
| IC1362 | 409 429 6400 | IC AD8055ART | IC4303 | 410 320 0404 | IC MC74LCX16374DT |
| IC1363 | 409 429 6400 | IC AD8055ART | | 410 321 8508 | IC TC74LCX16374AFT |
| IC1364 | 409 429 6400 | IC AD8055ART | | 410 356 7705 | IC SN74LVCH16374ADGG |
| IC1401 | 409 326 3007 | IC M62358FP | IC4801 | 410 352 0700 | IC EPF10K30AQC208-3 |
| IC1411 | 409 458 3401 | IC M62393FP | IC4802 | 410 342 3506 | IC EPC1441LC20B483 |
| IC1441 | 409 241 9405 | IC L88MS05T-TL | IC4901 | 410 352 0601 | IC EPF10K30ATC144-3 |
| IC1451 | 409 241 9405 | IC L88MS05T-TL | IC491 | 409 142 2000 | IC LA6358NM-TP-T1 |
| IC1461 | 409 460 8302 | IC CXD3503R | IC4951 | 410 352 0502 | IC EPC1441LC20 |
| IC1501 | 409 419 2702 | IC CXA2112R | IC501 | 409 419 2702 | IC CXA2112R |
| IC1531 | 409 419 2702 | IC CXA2112R | IC508 | 409 343 0201 | IC LT1206CS8 |
| IC1551 | 409 419 3709 | IC MC10H351ML1 | IC5201 | 410 333 7209 | IC AD9054ABST-135 |
| IC1561 | 409 419 2702 | IC CXA2112R | IC5221 | 410 333 7209 | IC AD9054ABST-135 |
| IC1811 | 410 311 5708 | IC MC74HCT244ADT | IC5241 | 410 333 7209 | IC AD9054ABST-135 |
| | 410 315 5506 | IC HD74HCT244TV | IC531 | 409 419 2702 | IC CXA2112R |
| | 410 356 7507 | IC SN74HCT244PWR | IC551 | 409 211 7301 | IC MC14053BFL |
| IC1821 | 410 325 4605 | IC TC74LCX244FT | | 409 051 2900 | IC TC4053BF-TP1 |
| | 410 325 4704 | IC HD74LVC244AT | IC561 | 409 419 2702 | IC CXA2112R |
| IC1832 | 409 410 1001 | IC UPC2933T-E1 | IC6201 | 410 336 5905 | IC UPD67821 |
| | 409 416 6406 | IC BA033FP-E2 | IC6211 | 409 410 1001 | IC UPC2933T-E1 |
| IC201 | 409 429 6400 | IC AD8055ART | | 409 416 6406 | IC BA033FP-E2 |
| IC202 | 409 429 6400 | IC AD8055ART | IC801 | 410 352 4005 | IC HD64F7045F28-B548 |
| IC203 | 409 429 6400 | IC AD8055ART | IC801A | 410 313 2309 | IC HD64F7045F28 |
| IC221 | 409 357 6602 | IC LT1260CS | IC802 | 409 344 1900 | IC MN1382-Q-TX |
| IC2301 | 410 342 8808 | IC MSM54V16258BSL-40TS-K | IC802A | 410 322 6800 | IC M5M29JB160AVP-10 |
| IC2311 | 410 342 8808 | IC MSM54V16258BSL-40TS-K | IC803 | 410 352 4104 | IC M5M29JB160AVP-10-B549 |
| | | | IC804 | 410 315 2802 | IC QM5M51008BFPP |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|------------------|--------------|------------------------|----------|--------------|-----------------------|
| IC805 | 410 352 4302 | IC QM5M51008BFPP-70L | C1185 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| | 410 315 2802 | IC QM5M51008BFPP | C1186 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| | 410 352 4302 | IC QM5M51008BFPP-70L | C1187 | 403 208 1402 | TA-SOLID 1U M 25V |
| | 409 339 3605 | IC 24LC16BT/SN-T | C1188 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| IC806 | 409 339 3605 | IC 24LC16BT/SN-T | C1189 | 401 105 5905 | MT-GLAZE 560 JA 1/16W |
| IC807 | 409 339 3605 | IC 24LC16BT/SN-T | C1190 | 401 105 5905 | MT-GLAZE 560 JA 1/16W |
| IC809 | 409 403 6204 | IC M66010GP | C1200 | 403 113 3805 | CERAMIC 1000P K 50V |
| CAPACITOR | | | | | |
| C100 | 403 317 3908 | CERAMIC 0.68U K 10V | C1201 | 403 280 0508 | ELECT 470U M 4V |
| C101 | 403 280 0805 | ELECT 330U M 6.3V | C1202 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C102 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1203 | 403 175 3904 | ELECT 10U M 25V |
| C103 | 403 280 0805 | ELECT 330U M 6.3V | C1204 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C104 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1205 | 403 175 3904 | ELECT 10U M 25V |
| C105 | 403 280 0805 | ELECT 330U M 6.3V | C1206 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C106 | 403 157 1904 | CERAMIC 10P D 50V | C1207 | 403 155 1609 | CERAMIC 33P J 50V |
| C107 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1208 | 403 157 7302 | CERAMIC 6800P K 50V |
| C108 | 403 157 1508 | CERAMIC 3P C 50V | C121 | 403 280 0805 | ELECT 330U M 6.3V |
| C109 | 403 280 0805 | ELECT 330U M 6.3V | C1211 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C110 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1212 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1101 | 403 157 3106 | CERAMIC 56P J 50V | C1213 | 403 149 9208 | CERAMIC 0.01U Z 50V |
| C1102 | 403 155 1609 | CERAMIC 33P J 50V | C1214 | 403 175 3904 | ELECT 10U M 25V |
| C1103 | 403 298 9609 | CERAMIC 0.1U K 16V | C1215 | 403 113 3805 | CERAMIC 1000P K 50V |
| C1105 | 403 298 9609 | CERAMIC 0.1U K 16V | C122 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1106 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1221 | 403 113 3805 | CERAMIC 1000P K 50V |
| C1107 | 403 280 1604 | ELECT 220U M 16V | C1222 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C111 | 403 164 0204 | CERAMIC 0.1U Z 25V | C123 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1111 | 403 280 0805 | ELECT 330U M 6.3V | C124 | 403 280 0805 | ELECT 330U M 6.3V |
| C1112 | 403 164 0204 | CERAMIC 0.1U Z 25V | C125 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1113 | 403 280 0805 | ELECT 330U M 6.3V | C126 | 403 162 4709 | ELECT 10U M 16V |
| C1114 | 403 164 0204 | CERAMIC 0.1U Z 25V | C127 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1115 | 403 157 1904 | CERAMIC 10P D 50V | C1270 | 403 113 3805 | CERAMIC 1000P K 50V |
| C1116 | 403 157 1904 | CERAMIC 10P D 50V | C1271 | 403 280 0508 | ELECT 470U M 4V |
| C1117 | 403 157 1904 | CERAMIC 10P D 50V | C1272 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C112 | 403 280 0508 | ELECT 470U M 4V | C1273 | 403 175 3904 | ELECT 10U M 25V |
| C1120 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1274 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1121 | 403 280 0508 | ELECT 470U M 4V | C1275 | 403 175 3904 | ELECT 10U M 25V |
| C1122 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1276 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1123 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1277 | 403 155 2200 | CERAMIC 3300P K 50V |
| C1124 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1278 | 403 155 1609 | CERAMIC 33P J 50V |
| C1125 | 403 164 0204 | CERAMIC 0.1U Z 25V | C128 | 403 325 6304 | CERAMIC 0.22U K 10V |
| C1126 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1280 | 403 113 3805 | CERAMIC 1000P K 50V |
| C1127 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1281 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1128 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1282 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1129 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1283 | 403 149 9208 | CERAMIC 0.01U Z 50V |
| C113 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1284 | 403 175 3904 | ELECT 10U M 25V |
| C1131 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1285 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1141 | 403 280 0508 | ELECT 470U M 4V | C1286 | 403 113 3805 | CERAMIC 1000P K 50V |
| C1142 | 403 164 0204 | CERAMIC 0.1U Z 25V | C129 | 403 325 6304 | CERAMIC 0.22U K 10V |
| C1145 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1304 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1146 | 403 164 0204 | CERAMIC 0.1U Z 25V | C131 | 403 325 6304 | CERAMIC 0.22U K 10V |
| C1147 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1350 | 403 113 3805 | CERAMIC 1000P K 50V |
| C1148 | 403 113 3805 | CERAMIC 1000P K 50V | C1351 | 403 280 0805 | ELECT 330U M 6.3V |
| C1149 | 403 113 3805 | CERAMIC 1000P K 50V | C1352 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C115 | 401 105 6001 | MT-GLAZE 5.6K JA 1/16W | C1353 | 403 280 0805 | ELECT 330U M 6.3V |
| C1150 | 403 113 3805 | CERAMIC 1000P K 50V | C1354 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1160 | 403 280 0508 | ELECT 470U M 4V | C1355 | 403 175 0804 | ELECT 10U M 50V |
| C1161 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1356 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1162 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1357 | 403 157 1904 | CERAMIC 10P D 50V |
| C1163 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1358 | 403 157 1904 | CERAMIC 10P D 50V |
| C1164 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1359 | 403 157 1904 | CERAMIC 10P D 50V |
| C1165 | 403 164 0204 | CERAMIC 0.1U Z 25V | C136 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1166 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1360 | 403 113 3805 | CERAMIC 1000P K 50V |
| C1180 | 401 105 5905 | MT-GLAZE 560 JA 1/16W | C1361 | 403 280 0805 | ELECT 330U M 6.3V |
| C1181 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1362 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1182 | 403 280 0805 | ELECT 330U M 6.3V | C1363 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1183 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1364 | 403 280 0805 | ELECT 330U M 6.3V |
| C1184 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1365 | 403 175 0804 | ELECT 10U M 50V |
| | | | C1366 | 403 164 0204 | CERAMIC 0.1U Z 25V |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|----------|--------------|---------------------|----------|--------------|---------------------|
| C1367 | 403 157 1904 | CERAMIC 10P D 50V | C1556 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1368 | 403 157 1904 | CERAMIC 10P D 50V | C1557 | 403 113 3805 | CERAMIC 1000P K 50V |
| C1369 | 403 157 1904 | CERAMIC 10P D 50V | C156 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C137 | 403 280 0508 | ELECT 470U M 4V | C1560 | 403 316 1400 | CERAMIC 560P J 25V |
| C1370 | 403 280 1604 | ELECT 220U M 16V | C1562 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1373 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1563 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1374 | 403 280 1604 | ELECT 220U M 16V | C1564 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1376 | 403 157 1904 | CERAMIC 10P D 50V | C1565 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1377 | 403 157 1904 | CERAMIC 10P D 50V | C1566 | 403 280 1604 | ELECT 220U M 16V |
| C1385 | 403 157 1904 | CERAMIC 10P D 50V | C1567 | 403 280 0805 | ELECT 330U M 6.3V |
| C1393 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1569 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1394 | 403 280 1604 | ELECT 220U M 16V | C157 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1395 | 403 157 1904 | CERAMIC 10P D 50V | C1570 | 403 162 4709 | ELECT 10U M 16V |
| C1396 | 403 157 1904 | CERAMIC 10P D 50V | C163 | 403 266 8900 | NP-ELECT 22U M 16V |
| C1397 | 403 157 1904 | CERAMIC 10P D 50V | C164 | 403 208 1402 | TA-SOLID 1U M 25V |
| C140 | 403 113 3805 | CERAMIC 1000P K 50V | C165 | 403 139 7504 | CERAMIC 39P J 50V |
| C1401 | 403 280 0805 | ELECT 330U M 6.3V | C166 | 403 317 3908 | CERAMIC 0.68U K 10V |
| C1402 | 403 164 0204 | CERAMIC 0.1U Z 25V | C171 | 403 155 4204 | CERAMIC 15P J 50V |
| C1403 | 403 280 0805 | ELECT 330U M 6.3V | C172 | 403 157 3106 | CERAMIC 56P J 50V |
| C1404 | 403 164 0204 | CERAMIC 0.1U Z 25V | C173 | 403 155 4204 | CERAMIC 15P J 50V |
| C141 | 403 164 0204 | CERAMIC 0.1U Z 25V | C174 | 403 266 8900 | NP-ELECT 22U M 16V |
| C1411 | 403 164 0204 | CERAMIC 0.1U Z 25V | C175 | 403 157 1904 | CERAMIC 10P D 50V |
| C1412 | 403 113 3805 | CERAMIC 1000P K 50V | C177 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1413 | 403 280 0805 | ELECT 330U M 6.3V | C178 | 403 280 1604 | ELECT 220U M 16V |
| C1415 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1811 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C142 | 403 280 0508 | ELECT 470U M 4V | C1821 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1441 | 403 280 0805 | ELECT 330U M 6.3V | C1832 | 403 280 0508 | ELECT 470U M 4V |
| C1442 | 403 280 0805 | ELECT 330U M 6.3V | C1833 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1443 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1891 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1451 | 403 280 0805 | ELECT 330U M 6.3V | C1892 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1452 | 403 280 0805 | ELECT 330U M 6.3V | C1895 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1453 | 403 164 0204 | CERAMIC 0.1U Z 25V | C1896 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1461 | 403 280 0607 | ELECT 220U M 6.3V | C1897 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1462 | 403 164 0204 | CERAMIC 0.1U Z 25V | C191 | 403 155 4204 | CERAMIC 15P J 50V |
| C1463 | 403 164 0204 | CERAMIC 0.1U Z 25V | C192 | 403 157 3106 | CERAMIC 56P J 50V |
| C1464 | 403 164 0204 | CERAMIC 0.1U Z 25V | C193 | 403 155 4204 | CERAMIC 15P J 50V |
| C1465 | 403 164 0204 | CERAMIC 0.1U Z 25V | C194 | 403 266 8900 | NP-ELECT 22U M 16V |
| C1466 | 403 280 0607 | ELECT 220U M 6.3V | C195 | 403 157 1904 | CERAMIC 10P D 50V |
| C1467 | 403 164 0204 | CERAMIC 0.1U Z 25V | C201 | 403 280 0805 | ELECT 330U M 6.3V |
| C1468 | 403 164 0204 | CERAMIC 0.1U Z 25V | C202 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1473 | 403 162 4709 | ELECT 10U M 16V | C203 | 403 280 0805 | ELECT 330U M 6.3V |
| C150 | 403 113 3805 | CERAMIC 1000P K 50V | C204 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1500 | 403 316 1400 | CERAMIC 560P J 25V | C205 | 403 157 1904 | CERAMIC 10P D 50V |
| C1502 | 403 164 0204 | CERAMIC 0.1U Z 25V | C206 | 403 157 1904 | CERAMIC 10P D 50V |
| C1503 | 403 164 0204 | CERAMIC 0.1U Z 25V | C207 | 403 157 1904 | CERAMIC 10P D 50V |
| C1504 | 403 164 0204 | CERAMIC 0.1U Z 25V | C211 | 403 267 0804 | NP-ELECT 47U M 6.3V |
| C1505 | 403 164 0204 | CERAMIC 0.1U Z 25V | C212 | 403 267 0804 | NP-ELECT 47U M 6.3V |
| C1506 | 403 280 1604 | ELECT 220U M 16V | C213 | 403 267 0804 | NP-ELECT 47U M 6.3V |
| C1507 | 403 164 0204 | CERAMIC 0.1U Z 25V | C214 | 403 267 0804 | NP-ELECT 47U M 6.3V |
| C1508 | 403 280 0805 | ELECT 330U M 6.3V | C215 | 403 267 0804 | NP-ELECT 47U M 6.3V |
| C1509 | 403 162 4709 | ELECT 10U M 16V | C216 | 403 267 0804 | NP-ELECT 47U M 6.3V |
| C151 | 403 164 0204 | CERAMIC 0.1U Z 25V | C221 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1532 | 403 316 1400 | CERAMIC 560P J 25V | C222 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1533 | 403 164 0204 | CERAMIC 0.1U Z 25V | C223 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1534 | 403 164 0204 | CERAMIC 0.1U Z 25V | C224 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1535 | 403 164 0204 | CERAMIC 0.1U Z 25V | C225 | 403 280 1604 | ELECT 220U M 16V |
| C1536 | 403 280 1604 | ELECT 220U M 16V | C226 | 403 280 0805 | ELECT 330U M 6.3V |
| C1537 | 403 164 0204 | CERAMIC 0.1U Z 25V | C227 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1538 | 403 164 0204 | CERAMIC 0.1U Z 25V | C2301 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1539 | 403 280 0805 | ELECT 330U M 6.3V | C2302 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1540 | 403 162 4709 | ELECT 10U M 16V | C2303 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C155 | 403 280 0805 | ELECT 330U M 6.3V | C2304 | 403 113 3805 | CERAMIC 1000P K 50V |
| C1551 | 403 164 0204 | CERAMIC 0.1U Z 25V | C2305 | 403 113 3805 | CERAMIC 1000P K 50V |
| C1552 | 403 280 0805 | ELECT 330U M 6.3V | C2311 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1553 | 403 113 3805 | CERAMIC 1000P K 50V | C2312 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1554 | 403 113 3805 | CERAMIC 1000P K 50V | C2313 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C1555 | 403 113 3805 | CERAMIC 1000P K 50V | C2314 | 403 113 3805 | CERAMIC 1000P K 50V |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|----------|--------------|---------------------|----------|--------------|---------------------|
| C2315 | 403 113 3805 | CERAMIC 1000P K 50V | C3223 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C241 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3224 | 403 113 3805 | CERAMIC 1000P K 50V |
| C242 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3225 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C243 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3226 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C244 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3227 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C245 | 403 229 3508 | ELECT 100U M 16V | C3228 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C246 | 403 280 0805 | ELECT 330U M 6.3V | C3229 | 403 113 3805 | CERAMIC 1000P K 50V |
| C247 | 403 164 0204 | CERAMIC 0.1U Z 25V | C323 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C2500 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3230 | 403 113 3805 | CERAMIC 1000P K 50V |
| C2501 | 403 280 1604 | ELECT 220U M 16V | C3231 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C2504 | 403 280 1604 | ELECT 220U M 16V | C3232 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C2505 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3233 | 403 113 3805 | CERAMIC 1000P K 50V |
| C2511 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3235 | 403 113 3805 | CERAMIC 1000P K 50V |
| C2512 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3236 | 403 113 3805 | CERAMIC 1000P K 50V |
| C2513 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3237 | 403 113 3805 | CERAMIC 1000P K 50V |
| C2514 | 403 175 4109 | ELECT 22U M 16V | C3239 | 403 113 3805 | CERAMIC 1000P K 50V |
| C2531 | 403 164 0204 | CERAMIC 0.1U Z 25V | C324 | 403 113 3805 | CERAMIC 1000P K 50V |
| C2532 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3240 | 403 113 3805 | CERAMIC 1000P K 50V |
| C2533 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3242 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C2534 | 403 175 4109 | ELECT 22U M 16V | C3244 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C2551 | 403 175 4109 | ELECT 22U M 16V | C3245 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C2552 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3246 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C2553 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3247 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C2554 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3248 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C301 | 403 280 0508 | ELECT 470U M 4V | C3249 | 403 113 3805 | CERAMIC 1000P K 50V |
| C302 | 403 164 0204 | CERAMIC 0.1U Z 25V | C325 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C303 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3250 | 403 113 3805 | CERAMIC 1000P K 50V |
| C304 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3252 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C3046 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3253 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C3047 | 403 113 3805 | CERAMIC 1000P K 50V | C3254 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C3048 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3255 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C3049 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3256 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C305 | 403 113 3805 | CERAMIC 1000P K 50V | C3257 | 403 113 3805 | CERAMIC 1000P K 50V |
| C306 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3258 | 403 113 3805 | CERAMIC 1000P K 50V |
| C307 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3259 | 403 113 3805 | CERAMIC 1000P K 50V |
| C308 | 403 113 3805 | CERAMIC 1000P K 50V | C326 | 403 113 3805 | CERAMIC 1000P K 50V |
| C309 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3260 | 403 113 3805 | CERAMIC 1000P K 50V |
| C311 | 403 164 0204 | CERAMIC 0.1U Z 25V | C327 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C312 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3270 | 403 113 3805 | CERAMIC 1000P K 50V |
| C313 | 403 113 3805 | CERAMIC 1000P K 50V | C328 | 403 113 3805 | CERAMIC 1000P K 50V |
| C314 | 403 164 0204 | CERAMIC 0.1U Z 25V | C329 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C315 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3300 | 403 113 3805 | CERAMIC 1000P K 50V |
| C316 | 403 113 3805 | CERAMIC 1000P K 50V | C3301 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C317 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3302 | 403 280 0508 | ELECT 470U M 4V |
| C318 | 403 113 3805 | CERAMIC 1000P K 50V | C3303 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C319 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3304 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C3201 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3305 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C3202 | 403 280 0508 | ELECT 470U M 4V | C331 | 403 113 3805 | CERAMIC 1000P K 50V |
| C3203 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3310 | 403 113 3805 | CERAMIC 1000P K 50V |
| C3204 | 403 113 3805 | CERAMIC 1000P K 50V | C332 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C3205 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3320 | 403 113 3805 | CERAMIC 1000P K 50V |
| C3206 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3321 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C321 | 403 113 3805 | CERAMIC 1000P K 50V | C3322 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C3210 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3324 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C3211 | 403 164 0204 | CERAMIC 0.1U Z 25V | C333 | 403 113 3805 | CERAMIC 1000P K 50V |
| C3212 | 403 280 0508 | ELECT 470U M 4V | C3330 | 403 113 3805 | CERAMIC 1000P K 50V |
| C3213 | 403 164 0204 | CERAMIC 0.1U Z 25V | C334 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C3214 | 403 113 3805 | CERAMIC 1000P K 50V | C3340 | 403 113 3805 | CERAMIC 1000P K 50V |
| C3215 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3341 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C3216 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3342 | 403 113 3805 | CERAMIC 1000P K 50V |
| C3217 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3343 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C3218 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3344 | 403 113 3805 | CERAMIC 1000P K 50V |
| C3219 | 403 113 3805 | CERAMIC 1000P K 50V | C3345 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C322 | 403 280 0508 | ELECT 470U M 4V | C3346 | 403 113 3805 | CERAMIC 1000P K 50V |
| C3220 | 403 164 0204 | CERAMIC 0.1U Z 25V | C3347 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C3221 | 403 164 0204 | CERAMIC 0.1U Z 25V | C335 | 403 113 3805 | CERAMIC 1000P K 50V |
| C3222 | 403 280 0508 | ELECT 470U M 4V | C336 | 403 164 0204 | CERAMIC 0.1U Z 25V |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|----------|--------------|---------------------|----------|--------------|---------------------|
| C3361 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4245 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C341 | 403 113 3805 | CERAMIC 1000P K 50V | C425 | 403 113 3805 | CERAMIC 1000P K 50V |
| C342 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4251 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C3801 | 403 280 0805 | ELECT 330U M 6.3V | C4252 | 403 113 3805 | CERAMIC 1000P K 50V |
| C3802 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4253 | 403 113 3805 | CERAMIC 1000P K 50V |
| C3803 | 403 153 9102 | CERAMIC 5P C 50V | C4254 | 403 113 3805 | CERAMIC 1000P K 50V |
| C3804 | 403 113 3805 | CERAMIC 1000P K 50V | C4255 | 403 113 3805 | CERAMIC 1000P K 50V |
| C3805 | 403 175 3904 | ELECT 10U M 25V | C4256 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C3806 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4257 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C3807 | 403 280 0805 | ELECT 330U M 6.3V | C426 | 403 113 3805 | CERAMIC 1000P K 50V |
| C3808 | 403 280 0805 | ELECT 330U M 6.3V | C427 | 403 113 3805 | CERAMIC 1000P K 50V |
| C3809 | 403 164 0204 | CERAMIC 0.1U Z 25V | C428 | 403 113 3805 | CERAMIC 1000P K 50V |
| C3811 | 403 164 0204 | CERAMIC 0.1U Z 25V | C430 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C3812 | 403 280 0805 | ELECT 330U M 6.3V | C4301 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C3813 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4302 | 403 113 3805 | CERAMIC 1000P K 50V |
| C3831 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4303 | 403 280 0805 | ELECT 330U M 6.3V |
| C3835 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4304 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C3851 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4305 | 403 113 3805 | CERAMIC 1000P K 50V |
| C400 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4306 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C401 | 403 280 0508 | ELECT 470U M 4V | C4307 | 403 113 3805 | CERAMIC 1000P K 50V |
| C402 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4308 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C403 | 403 280 0508 | ELECT 470U M 4V | C4309 | 403 113 3805 | CERAMIC 1000P K 50V |
| C404 | 403 164 0204 | CERAMIC 0.1U Z 25V | C431 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C405 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4311 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C406 | 403 164 0204 | CERAMIC 0.1U Z 25V | C432 | 403 280 0508 | ELECT 470U M 4V |
| C407 | 403 280 0508 | ELECT 470U M 4V | C4320 | 403 280 0508 | ELECT 470U M 4V |
| C408 | 403 280 0508 | ELECT 470U M 4V | C4321 | 403 113 3805 | CERAMIC 1000P K 50V |
| C409 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4322 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C410 | 403 164 0204 | CERAMIC 0.1U Z 25V | C433 | 403 113 3805 | CERAMIC 1000P K 50V |
| C411 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4331 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C412 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4332 | 403 113 3805 | CERAMIC 1000P K 50V |
| C413 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4333 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C414 | 403 280 0508 | ELECT 470U M 4V | C4334 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C415 | 403 113 3805 | CERAMIC 1000P K 50V | C4335 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C416 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4336 | 403 113 3805 | CERAMIC 1000P K 50V |
| C417 | 403 113 3805 | CERAMIC 1000P K 50V | C4341 | 403 113 3805 | CERAMIC 1000P K 50V |
| C418 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4342 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C419 | 403 113 3805 | CERAMIC 1000P K 50V | C4343 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C420 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4344 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C4200 | 403 157 1904 | CERAMIC 10P D 50V | C4345 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C4201 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4346 | 403 113 3805 | CERAMIC 1000P K 50V |
| C421 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4347 | 403 280 0508 | ELECT 470U M 4V |
| C4211 | 403 164 0204 | CERAMIC 0.1U Z 25V | C441 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C4212 | 403 164 0204 | CERAMIC 0.1U Z 25V | C442 | 403 113 3805 | CERAMIC 1000P K 50V |
| C4213 | 403 113 3805 | CERAMIC 1000P K 50V | C451 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C4214 | 403 113 3805 | CERAMIC 1000P K 50V | C452 | 403 280 0508 | ELECT 470U M 4V |
| C4215 | 403 113 3805 | CERAMIC 1000P K 50V | C453 | 403 113 3805 | CERAMIC 1000P K 50V |
| C4216 | 403 164 0204 | CERAMIC 0.1U Z 25V | C461 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C4217 | 403 164 0204 | CERAMIC 0.1U Z 25V | C462 | 403 113 3805 | CERAMIC 1000P K 50V |
| C4218 | 403 113 3805 | CERAMIC 1000P K 50V | C471 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C4219 | 403 164 0204 | CERAMIC 0.1U Z 25V | C472 | 403 280 0805 | ELECT 330U M 6.3V |
| C422 | 403 113 3805 | CERAMIC 1000P K 50V | C473 | 403 113 3805 | CERAMIC 1000P K 50V |
| C4220 | 403 157 1904 | CERAMIC 10P D 50V | C4801 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C4221 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4802 | 403 280 0805 | ELECT 330U M 6.3V |
| C4224 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4803 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C4225 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4804 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C423 | 403 113 3805 | CERAMIC 1000P K 50V | C4805 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C4231 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4806 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C4232 | 403 113 3805 | CERAMIC 1000P K 50V | C4807 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C4233 | 403 113 3805 | CERAMIC 1000P K 50V | C4808 | 403 280 0805 | ELECT 330U M 6.3V |
| C4234 | 403 113 3805 | CERAMIC 1000P K 50V | C4809 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C4235 | 403 113 3805 | CERAMIC 1000P K 50V | C4811 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C4236 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4812 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C4237 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4813 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C4240 | 403 157 1904 | CERAMIC 10P D 50V | C4814 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C4241 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4821 | 403 113 3805 | CERAMIC 1000P K 50V |
| C4244 | 403 164 0204 | CERAMIC 0.1U Z 25V | C4822 | 403 164 0204 | CERAMIC 0.1U Z 25V |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|----------|--------------|---------------------|----------|--------------|---------------------|
| C4823 | 403 113 3805 | CERAMIC 1000P K 50V | C5246 | 403 280 0805 | ELECT 330U M 6.3V |
| C4824 | 403 113 3805 | CERAMIC 1000P K 50V | C5251 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C4825 | 403 113 3805 | CERAMIC 1000P K 50V | C5252 | 403 113 3805 | CERAMIC 1000P K 50V |
| C4827 | 403 113 3805 | CERAMIC 1000P K 50V | C5253 | 403 113 3805 | CERAMIC 1000P K 50V |
| C4828 | 403 113 3805 | CERAMIC 1000P K 50V | C5254 | 403 113 3805 | CERAMIC 1000P K 50V |
| C4829 | 403 113 3805 | CERAMIC 1000P K 50V | C5255 | 403 113 3805 | CERAMIC 1000P K 50V |
| C4831 | 403 113 3805 | CERAMIC 1000P K 50V | C5256 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C4832 | 403 113 3805 | CERAMIC 1000P K 50V | C5257 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C4901 | 403 164 0204 | CERAMIC 0.1U Z 25V | C532 | 403 316 1400 | CERAMIC 560P J 25V |
| C4902 | 403 164 0204 | CERAMIC 0.1U Z 25V | C533 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C4903 | 403 164 0204 | CERAMIC 0.1U Z 25V | C534 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C4904 | 403 164 0204 | CERAMIC 0.1U Z 25V | C535 | 403 175 4109 | ELECT 22U M 16V |
| C4905 | 403 280 0805 | ELECT 330U M 6.3V | C536 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C4906 | 403 164 0204 | CERAMIC 0.1U Z 25V | C537 | 403 149 9208 | CERAMIC 0.01U Z 50V |
| C4907 | 403 164 0204 | CERAMIC 0.1U Z 25V | C538 | 403 149 9208 | CERAMIC 0.01U Z 50V |
| C4908 | 403 164 0204 | CERAMIC 0.1U Z 25V | C540 | 403 162 4709 | ELECT 10U M 16V |
| C491 | 403 164 0204 | CERAMIC 0.1U Z 25V | C541 | 403 280 1604 | ELECT 220U M 16V |
| C492 | 403 164 0204 | CERAMIC 0.1U Z 25V | C542 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C493 | 403 164 0204 | CERAMIC 0.1U Z 25V | C543 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C494 | 403 164 0204 | CERAMIC 0.1U Z 25V | C551 | 403 280 0805 | ELECT 330U M 6.3V |
| C495 | 403 164 0204 | CERAMIC 0.1U Z 25V | C552 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C4951 | 403 164 0204 | CERAMIC 0.1U Z 25V | C553 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C496 | 403 164 0204 | CERAMIC 0.1U Z 25V | C554 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C497 | 403 280 0607 | ELECT 220U M 6.3V | C562 | 403 316 1400 | CERAMIC 560P J 25V |
| C502 | 403 316 1400 | CERAMIC 560P J 25V | C563 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C503 | 403 164 0204 | CERAMIC 0.1U Z 25V | C564 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C504 | 403 164 0204 | CERAMIC 0.1U Z 25V | C565 | 403 175 4109 | ELECT 22U M 16V |
| C505 | 403 175 4109 | ELECT 22U M 16V | C566 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C506 | 403 164 0204 | CERAMIC 0.1U Z 25V | C567 | 403 149 9208 | CERAMIC 0.01U Z 50V |
| C507 | 403 149 9208 | CERAMIC 0.01U Z 50V | C568 | 403 149 9208 | CERAMIC 0.01U Z 50V |
| C508 | 403 149 9208 | CERAMIC 0.01U Z 50V | C569 | 403 280 1604 | ELECT 220U M 16V |
| C511 | 403 164 0204 | CERAMIC 0.1U Z 25V | C570 | 403 162 4709 | ELECT 10U M 16V |
| C512 | 403 164 0204 | CERAMIC 0.1U Z 25V | C571 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C513 | 403 280 1604 | ELECT 220U M 16V | C573 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C514 | 403 164 0204 | CERAMIC 0.1U Z 25V | C574 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C515 | 403 162 4709 | ELECT 10U M 16V | C581 | 403 215 2201 | CERAMIC 0.01U K 50V |
| C5200 | 403 157 1904 | CERAMIC 10P D 50V | C582 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C5201 | 403 164 0204 | CERAMIC 0.1U Z 25V | C583 | 403 280 1604 | ELECT 220U M 16V |
| C5203 | 403 280 0805 | ELECT 330U M 6.3V | C6201 | 403 280 0508 | ELECT 470U M 4V |
| C5204 | 403 164 0204 | CERAMIC 0.1U Z 25V | C6202 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C5205 | 403 164 0204 | CERAMIC 0.1U Z 25V | C6203 | 403 113 3805 | CERAMIC 1000P K 50V |
| C5206 | 403 280 0805 | ELECT 330U M 6.3V | C6204 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C5211 | 403 164 0204 | CERAMIC 0.1U Z 25V | C6205 | 403 113 3805 | CERAMIC 1000P K 50V |
| C5212 | 403 113 3805 | CERAMIC 1000P K 50V | C6206 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C5213 | 403 113 3805 | CERAMIC 1000P K 50V | C6207 | 403 113 3805 | CERAMIC 1000P K 50V |
| C5214 | 403 113 3805 | CERAMIC 1000P K 50V | C6208 | 403 113 3805 | CERAMIC 1000P K 50V |
| C5215 | 403 113 3805 | CERAMIC 1000P K 50V | C6209 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C5216 | 403 164 0204 | CERAMIC 0.1U Z 25V | C6211 | 403 113 3805 | CERAMIC 1000P K 50V |
| C5217 | 403 164 0204 | CERAMIC 0.1U Z 25V | C6212 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C5220 | 403 157 1904 | CERAMIC 10P D 50V | C6213 | 403 113 3805 | CERAMIC 1000P K 50V |
| C5221 | 403 164 0204 | CERAMIC 0.1U Z 25V | C6221 | 403 113 3805 | CERAMIC 1000P K 50V |
| C5223 | 403 280 0805 | ELECT 330U M 6.3V | C6222 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C5224 | 403 164 0204 | CERAMIC 0.1U Z 25V | C801 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C5225 | 403 164 0204 | CERAMIC 0.1U Z 25V | C802 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C5226 | 403 280 0805 | ELECT 330U M 6.3V | C803 | 403 155 1609 | CERAMIC 33P J 50V |
| C5231 | 403 164 0204 | CERAMIC 0.1U Z 25V | C804 | 403 155 1609 | CERAMIC 33P J 50V |
| C5232 | 403 113 3805 | CERAMIC 1000P K 50V | C805 | 403 175 0606 | ELECT 100U M 6.3V |
| C5233 | 403 113 3805 | CERAMIC 1000P K 50V | C806 | 403 175 4505 | ELECT 47U M 6.3V |
| C5234 | 403 113 3805 | CERAMIC 1000P K 50V | C807 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C5235 | 403 113 3805 | CERAMIC 1000P K 50V | C808 | 403 215 1006 | CERAMIC 470P J 50V |
| C5236 | 403 164 0204 | CERAMIC 0.1U Z 25V | C809 | 403 283 6309 | CERAMIC 1U Z 10V |
| C5237 | 403 164 0204 | CERAMIC 0.1U Z 25V | C810 | 403 162 4709 | ELECT 10U M 16V |
| C5240 | 403 157 1904 | CERAMIC 10P D 50V | C811 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C5241 | 403 164 0204 | CERAMIC 0.1U Z 25V | C812 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C5243 | 403 280 0805 | ELECT 330U M 6.3V | C813 | 403 164 0204 | CERAMIC 0.1U Z 25V |
| C5244 | 403 164 0204 | CERAMIC 0.1U Z 25V | C814 | 403 280 0805 | ELECT 330U M 6.3V |
| C5245 | 403 164 0204 | CERAMIC 0.1U Z 25V | C815 | 403 164 0204 | CERAMIC 0.1U Z 25V |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|-----------------|--------------|------------------------|----------|--------------|-------------------------|
| C821 | 403 280 0805 | ELECT 330U M 6.3V | RB4804 | 645 037 0311 | R-NETWORK 3.3KX4 1/16W |
| C822 | 403 164 0204 | CERAMIC 0.1U Z 25V | RB4805 | 645 037 0311 | R-NETWORK 3.3KX4 1/16W |
| C861 | 403 280 0805 | ELECT 330U M 6.3V | RB4806 | 645 037 0311 | R-NETWORK 3.3KX4 1/16W |
| C862 | 403 164 0204 | CERAMIC 0.1U Z 25V | RB4807 | 645 037 0311 | R-NETWORK 3.3KX4 1/16W |
| C866 | 403 164 0204 | CERAMIC 0.1U Z 25V | RB501 | 645 028 5998 | R-NETWORK 10X4 1/16W |
| C867 | 403 280 0805 | ELECT 330U M 6.3V | RB502 | 645 028 5998 | R-NETWORK 10X4 1/16W |
| C871 | 403 164 0204 | CERAMIC 0.1U Z 25V | RB503 | 645 028 5998 | R-NETWORK 10X4 1/16W |
| C872 | 403 280 0805 | ELECT 330U M 6.3V | RB531 | 645 028 5998 | R-NETWORK 10X4 1/16W |
| C891 | 403 164 0204 | CERAMIC 0.1U Z 25V | RB532 | 645 028 5998 | R-NETWORK 10X4 1/16W |
| C892 | 403 164 0204 | CERAMIC 0.1U Z 25V | RB533 | 645 028 5998 | R-NETWORK 10X4 1/16W |
| C893 | 403 164 0204 | CERAMIC 0.1U Z 25V | RB561 | 645 028 5998 | R-NETWORK 10X4 1/16W |
| RESISTOR | | | RB562 | 645 028 5998 | R-NETWORK 10X4 1/16W |
| RB1121 | 645 026 8014 | R-NETWORK 10KX4 1/16W | RB563 | 645 028 5998 | R-NETWORK 10X4 1/16W |
| RB1122 | 645 026 8014 | R-NETWORK 10KX4 1/16W | R100 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| RB1811 | 645 026 8038 | R-NETWORK 22KX4 1/16W | R101 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| RB1891 | 645 026 8038 | R-NETWORK 22KX4 1/16W | R102 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| RB1892 | 645 028 3215 | R-NETWORK 100X4 1/16W | R103 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| RB1893 | 645 028 3215 | R-NETWORK 100X4 1/16W | R104 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| RB1894 | 645 028 3215 | R-NETWORK 100X4 1/16W | R105 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| RB1896 | 645 026 8014 | R-NETWORK 10KX4 1/16W | R106 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| RB1897 | 645 028 5998 | R-NETWORK 10X4 1/16W | R109 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| RB3201 | 645 027 1519 | R-NETWORK 0X4 1/16W | R110 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| RB3202 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1100 | 401 105 3901 | MT-GLAZE 33 JA 1/16W |
| RB3203 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1101 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| RB3204 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1102 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| RB3205 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1103 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| RB3206 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1104 | 401 105 1006 | MT-GLAZE 1.2K JA 1/16W |
| RB3207 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1105 | 401 105 2904 | MT-GLAZE 22K JA 1/16W |
| RB3208 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1106 | 401 105 6605 | MT-GLAZE 6.8K JA 1/16W |
| RB3211 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1107 | 401 105 2805 | MT-GLAZE 2.2K JA 1/16W |
| RB3212 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1108 | 401 105 2409 | MT-GLAZE 2K JA 1/16W |
| RB3213 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1109 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| RB3214 | 645 027 1519 | R-NETWORK 0X4 1/16W | R111 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| RB3215 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1112 | 401 105 2805 | MT-GLAZE 2.2K JA 1/16W |
| RB3216 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1113 | 401 105 2805 | MT-GLAZE 2.2K JA 1/16W |
| RB3217 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1115 | 401 105 2805 | MT-GLAZE 2.2K JA 1/16W |
| RB3218 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1117 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| RB3221 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1119 | 401 105 3901 | MT-GLAZE 33 JA 1/16W |
| RB3222 | 645 027 1519 | R-NETWORK 0X4 1/16W | R112 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| RB3223 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1120 | 401 105 3901 | MT-GLAZE 33 JA 1/16W |
| RB3224 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1121 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| RB3225 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1123 | 401 105 3901 | MT-GLAZE 33 JA 1/16W |
| RB3226 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1124 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| RB3227 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1126 | 401 105 3901 | MT-GLAZE 33 JA 1/16W |
| RB3228 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1127 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| RB3801 | 645 026 8021 | R-NETWORK 100KX4 1/16W | R1128 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| RB3802 | 645 026 8021 | R-NETWORK 100KX4 1/16W | R1129 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| RB3803 | 645 026 8021 | R-NETWORK 100KX4 1/16W | R113 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| RB3804 | 645 026 8021 | R-NETWORK 100KX4 1/16W | R1130 | 401 105 3901 | MT-GLAZE 33 JA 1/16W |
| RB3805 | 645 026 8021 | R-NETWORK 100KX4 1/16W | R1132 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| RB3806 | 645 026 8021 | R-NETWORK 100KX4 1/16W | R1137 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| RB401 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1138 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| RB402 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1139 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| RB403 | 645 027 1519 | R-NETWORK 0X4 1/16W | R114 | 401 105 6001 | MT-GLAZE 5.6K JA 1/16W |
| RB404 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1140 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| RB405 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1141 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| RB406 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1142 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| RB407 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1143 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| RB408 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1144 | 401 105 0306 | MT-GLAZE 10 JA 1/16W |
| RB409 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1145 | 401 105 0306 | MT-GLAZE 10 JA 1/16W |
| RB411 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1146 | 401 105 8203 | MT-GLAZE 68K JA 1/16W |
| RB412 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1147 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| RB413 | 645 027 1519 | R-NETWORK 0X4 1/16W | R1149 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| RB4801 | 645 037 0311 | R-NETWORK 3.3KX4 1/16W | R115 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| RB4802 | 645 037 0311 | R-NETWORK 3.3KX4 1/16W | R1155 | 401 105 0306 | MT-GLAZE 10 JA 1/16W |
| RB4803 | 645 037 0311 | R-NETWORK 3.3KX4 1/16W | R1156 | 401 105 0306 | MT-GLAZE 10 JA 1/16W |
| | | | R1157 | 401 105 0306 | MT-GLAZE 10 JA 1/16W |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|----------|--------------|-------------------------|----------|--------------|-------------------------|
| R1158 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R1274 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R1159 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R1275 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R116 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1277 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1161 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R1278 | 401 105 6605 | MT-GLAZE 6.8K JA 1/16W |
| R1162 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R128 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1163 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R1281 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1164 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R1284 | 401 105 4106 | MT-GLAZE 3.3K JA 1/16W |
| R1165 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R1285 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1166 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R1286 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1167 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R1287 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1168 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R1288 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1169 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R1289 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1171 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R129 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1172 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R1290 | 401 105 2904 | MT-GLAZE 22K JA 1/16W |
| R1175 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | R1301 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1176 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | R1302 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1177 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | R1303 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1178 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | R1304 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R1180 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1305 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1181 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1306 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1182 | 401 105 4502 | MT-GLAZE 390 JA 1/16W | R131 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1183 | 401 105 4502 | MT-GLAZE 390 JA 1/16W | R132 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R1184 | 401 105 4502 | MT-GLAZE 390 JA 1/16W | R133 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1185 | 401 105 5905 | MT-GLAZE 560 JA 1/16W | R134 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1186 | 401 105 5905 | MT-GLAZE 560 JA 1/16W | R135 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1187 | 401 105 5905 | MT-GLAZE 560 JA 1/16W | R1351 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1188 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1352 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1190 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R1353 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1192 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | R1360 | 401 105 5905 | MT-GLAZE 560 JA 1/16W |
| R1193 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | R1361 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1194 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1372 | 401 235 4403 | MT-GLAZE 560 FA 1/16W |
| R1196 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | R1373 | 401 217 3905 | MT-GLAZE 3.3K FA 1/16W |
| R1199 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1375 | 401 235 4403 | MT-GLAZE 560 FA 1/16W |
| R1201 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1376 | 401 217 3905 | MT-GLAZE 3.3K FA 1/16W |
| R1202 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1377 | 401 235 4403 | MT-GLAZE 560 FA 1/16W |
| R1203 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | R1379 | 401 217 3905 | MT-GLAZE 3.3K FA 1/16W |
| R1204 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | R1381 | 401 105 5905 | MT-GLAZE 560 JA 1/16W |
| R1205 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1383 | 401 105 5905 | MT-GLAZE 560 JA 1/16W |
| R1206 | 401 105 6605 | MT-GLAZE 6.8K JA 1/16W | R1385 | 401 105 5905 | MT-GLAZE 560 JA 1/16W |
| R1208 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1387 | 401 235 4403 | MT-GLAZE 560 FA 1/16W |
| R121 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | R1388 | 401 217 3905 | MT-GLAZE 3.3K FA 1/16W |
| R1211 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1390 | 401 105 5905 | MT-GLAZE 560 JA 1/16W |
| R1212 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1391 | 401 235 4403 | MT-GLAZE 560 FA 1/16W |
| R1215 | 401 105 4007 | MT-GLAZE 330 JA 1/16W | R1392 | 401 217 3905 | MT-GLAZE 3.3K FA 1/16W |
| R1216 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R1394 | 401 235 4403 | MT-GLAZE 560 FA 1/16W |
| R1217 | 401 105 5400 | MT-GLAZE 47K JA 1/16W | R1395 | 401 217 3905 | MT-GLAZE 3.3K FA 1/16W |
| R1218 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R1396 | 401 105 5905 | MT-GLAZE 560 JA 1/16W |
| R1219 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R1398 | 401 105 5905 | MT-GLAZE 560 JA 1/16W |
| R122 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | R140 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1220 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1401 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R1221 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1402 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R1223 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1403 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R1224 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R141 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1225 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1411 | 401 105 6001 | MT-GLAZE 5.6K JA 1/16W |
| R1226 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1412 | 401 105 4106 | MT-GLAZE 3.3K JA 1/16W |
| R1227 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1414 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1228 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1417 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1229 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R143 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R123 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R144 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R124 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1441 | 401 105 4205 | MT-GLAZE 33K JA 1/16W |
| R125 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1442 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R126 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1443 | 401 105 5301 | MT-GLAZE 4.7K JA 1/16W |
| R127 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1451 | 401 105 4205 | MT-GLAZE 33K JA 1/16W |
| R1270 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1452 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R1271 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R1453 | 401 105 5301 | MT-GLAZE 4.7K JA 1/16W |
| R1272 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R1461 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1273 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | R1462 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|----------|--------------|-------------------------|----------|--------------|-------------------------|
| R1463 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1571 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R1464 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1581 | 401 105 7206 | MT-GLAZE 82 JA 1/16W |
| R1465 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1582 | 401 105 0900 | MT-GLAZE 120 JA 1/16W |
| R1466 | 401 263 1108 | MT-GLAZE 1.3K FA 1/16W | R1583 | 401 105 0900 | MT-GLAZE 120 JA 1/16W |
| R1467 | 401 218 4505 | MT-GLAZE 2.2K FA 1/16W | R1593 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1468 | 401 230 8901 | MT-GLAZE 390 FA 1/16W | R160 | 401 105 4106 | MT-GLAZE 3.3K JA 1/16W |
| R1469 | 401 218 4505 | MT-GLAZE 2.2K FA 1/16W | R161 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R1471 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | R162 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| R1472 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | R163 | 401 230 2503 | MT-GLAZE 1K FA 1/16W |
| R1473 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | R165 | 401 260 4706 | MT-GLAZE 1.5K FA 1/16W |
| R1475 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R166 | 401 105 0702 | MT-GLAZE 100K JA 1/16W |
| R1476 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R167 | 401 105 5301 | MT-GLAZE 4.7K JA 1/16W |
| R1477 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R168 | 401 105 5202 | MT-GLAZE 470 JA 1/16W |
| R1479 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R169 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R1487 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R170 | 401 260 8407 | MT-GLAZE 22 JA 1/3W |
| R1488 | 401 212 0404 | MT-GLAZE 680 FA 1/16W | R171 | 401 203 9805 | MT-GLAZE 2.7K FA 1/16W |
| R1489 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R172 | 401 218 4505 | MT-GLAZE 2.2K FA 1/16W |
| R1491 | 401 212 0404 | MT-GLAZE 680 FA 1/16W | R173 | 401 113 6307 | MT-GLAZE 4.3K JA 1/16W |
| R1492 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R174 | 401 260 8407 | MT-GLAZE 22 JA 1/3W |
| R1493 | 401 212 0404 | MT-GLAZE 680 FA 1/16W | R175 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R1494 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R176 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| R1495 | 401 212 0404 | MT-GLAZE 680 FA 1/16W | R177 | 401 230 2503 | MT-GLAZE 1K FA 1/16W |
| R1496 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R179 | 401 105 5400 | MT-GLAZE 47K JA 1/16W |
| R1497 | 401 212 0404 | MT-GLAZE 680 FA 1/16W | R180 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R1498 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R181 | 401 218 4406 | MT-GLAZE 1.2K FA 1/16W |
| R1499 | 401 212 0404 | MT-GLAZE 680 FA 1/16W | R1810 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R150 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1811 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1501 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1812 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1502 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1813 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R1505 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1814 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1506 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R1815 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1507 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R1816 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1508 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R182 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R1509 | 401 105 3406 | MT-GLAZE 27K JA 1/16W | R1820 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1511 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R1821 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1512 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R1822 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R152 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1825 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R153 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1826 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1531 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1829 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1532 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R183 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R1535 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1831 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R1536 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R1832 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R1537 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R1833 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R1538 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R1834 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R1539 | 401 105 3406 | MT-GLAZE 27K JA 1/16W | R184 | 401 218 4505 | MT-GLAZE 2.2K FA 1/16W |
| R154 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1841 | 401 105 4106 | MT-GLAZE 3.3K JA 1/16W |
| R1541 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R1842 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R1542 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R1844 | 401 105 4106 | MT-GLAZE 3.3K JA 1/16W |
| R1550 | 401 105 7305 | MT-GLAZE 820 JA 1/16W | R1845 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R1551 | 401 105 0900 | MT-GLAZE 120 JA 1/16W | R1847 | 401 105 4106 | MT-GLAZE 3.3K JA 1/16W |
| R1552 | 401 105 0900 | MT-GLAZE 120 JA 1/16W | R1848 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R1553 | 401 105 0900 | MT-GLAZE 120 JA 1/16W | R185 | 401 218 4505 | MT-GLAZE 2.2K FA 1/16W |
| R1554 | 401 105 0900 | MT-GLAZE 120 JA 1/16W | R1851 | 401 105 4106 | MT-GLAZE 3.3K JA 1/16W |
| R1555 | 401 105 7206 | MT-GLAZE 82 JA 1/16W | R1852 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R1556 | 401 105 7206 | MT-GLAZE 82 JA 1/16W | R1854 | 401 105 4106 | MT-GLAZE 3.3K JA 1/16W |
| R1557 | 401 105 7206 | MT-GLAZE 82 JA 1/16W | R1855 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R1558 | 401 105 7206 | MT-GLAZE 82 JA 1/16W | R1857 | 401 105 4106 | MT-GLAZE 3.3K JA 1/16W |
| R1559 | 401 105 7206 | MT-GLAZE 82 JA 1/16W | R1858 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R156 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R186 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1561 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1860 | 401 105 2904 | MT-GLAZE 22K JA 1/16W |
| R1562 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1861 | 401 105 4106 | MT-GLAZE 3.3K JA 1/16W |
| R1565 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R1862 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R1566 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R1864 | 401 105 4106 | MT-GLAZE 3.3K JA 1/16W |
| R1567 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R1865 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R1568 | 401 105 3406 | MT-GLAZE 27K JA 1/16W | R1869 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R1569 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R1870 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R157 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R1871 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|----------|--------------|-------------------------|----------|--------------|-------------------------|
| R1872 | 401 105 2904 | MT-GLAZE 22K JA 1/16W | R245 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| R1874 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R246 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| R1875 | 401 105 2904 | MT-GLAZE 22K JA 1/16W | R247 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| R1877 | 401 105 0900 | MT-GLAZE 120 JA 1/16W | R248 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1878 | 401 105 2904 | MT-GLAZE 22K JA 1/16W | R249 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R188 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | R250 | 403 157 1508 | CERAMIC 3P C 50V |
| R1880 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | R2500 | 401 035 4108 | MT-GLAZE 0.000 ZA 1/8W |
| R1881 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | R2501 | 401 037 7800 | MT-GLAZE 150 JA 1/10W |
| R1882 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | R2502 | 401 037 7800 | MT-GLAZE 150 JA 1/10W |
| R1883 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | R2503 | 401 037 7800 | MT-GLAZE 150 JA 1/10W |
| R1884 | 401 105 5202 | MT-GLAZE 470 JA 1/16W | R251 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1885 | 401 105 2003 | MT-GLAZE 1.8K JA 1/16W | R2512 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1886 | 401 105 5301 | MT-GLAZE 4.7K JA 1/16W | R2515 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1888 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R2517 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1889 | 401 105 6001 | MT-GLAZE 5.6K JA 1/16W | R2519 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R189 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R252 | 401 105 5806 | MT-GLAZE 56 JA 1/16W |
| R1890 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | R253 | 401 105 5806 | MT-GLAZE 56 JA 1/16W |
| R1893 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R2532 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1894 | 645 030 1056 | PROTECTOR, IC 3.8A 72V | R2535 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1895 | 645 030 1056 | PROTECTOR, IC 3.8A 72V | R2537 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1896 | 645 030 1056 | PROTECTOR, IC 3.8A 72V | R2539 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R1897 | 645 030 1056 | PROTECTOR, IC 3.8A 72V | R254 | 401 105 5806 | MT-GLAZE 56 JA 1/16W |
| R1899 | 401 105 3307 | MT-GLAZE 2.7K JA 1/16W | R2552 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R191 | 401 230 2503 | MT-GLAZE 1K FA 1/16W | R2555 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R193 | 401 218 4406 | MT-GLAZE 1.2K FA 1/16W | R2557 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R194 | 401 105 5400 | MT-GLAZE 47K JA 1/16W | R2559 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R195 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R256 | 401 105 3901 | MT-GLAZE 33 JA 1/16W |
| R196 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | R257 | 401 105 3901 | MT-GLAZE 33 JA 1/16W |
| R197 | 401 218 4505 | MT-GLAZE 2.2K FA 1/16W | R258 | 401 105 3901 | MT-GLAZE 33 JA 1/16W |
| R198 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R271 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| R199 | 401 218 4505 | MT-GLAZE 2.2K FA 1/16W | R272 | 401 105 5202 | MT-GLAZE 470 JA 1/16W |
| R200 | 401 105 4502 | MT-GLAZE 390 JA 1/16W | R300 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R201 | 401 113 4402 | MT-GLAZE 75 JA 1/16W | R301 | 401 105 0306 | MT-GLAZE 10 JA 1/16W |
| R203 | 401 113 4402 | MT-GLAZE 75 JA 1/16W | R302 | 401 105 0306 | MT-GLAZE 10 JA 1/16W |
| R205 | 401 113 4402 | MT-GLAZE 75 JA 1/16W | R304 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R210 | 401 105 4502 | MT-GLAZE 390 JA 1/16W | R305 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R211 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R306 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R212 | 401 105 5301 | MT-GLAZE 4.7K JA 1/16W | R307 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R213 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R308 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R214 | 401 105 5301 | MT-GLAZE 4.7K JA 1/16W | R3202 | 401 105 5905 | MT-GLAZE 560 JA 1/16W |
| R215 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R3203 | 401 105 2706 | MT-GLAZE 220 JA 1/16W |
| R216 | 401 105 5301 | MT-GLAZE 4.7K JA 1/16W | R3212 | 401 105 5905 | MT-GLAZE 560 JA 1/16W |
| R220 | 401 105 4502 | MT-GLAZE 390 JA 1/16W | R3213 | 401 105 2706 | MT-GLAZE 220 JA 1/16W |
| R222 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R3222 | 401 105 5905 | MT-GLAZE 560 JA 1/16W |
| R223 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R3224 | 401 105 2706 | MT-GLAZE 220 JA 1/16W |
| R224 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R3225 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R225 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R3226 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R226 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R323 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| R227 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R324 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| R228 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R3241 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R229 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R3242 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R230 | 403 157 1508 | CERAMIC 3P C 50V | R3243 | 401 105 5905 | MT-GLAZE 560 JA 1/16W |
| R2302 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R3244 | 401 105 2706 | MT-GLAZE 220 JA 1/16W |
| R2303 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R325 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| R231 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R3251 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R2312 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R3252 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R2313 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R3253 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R232 | 401 105 5806 | MT-GLAZE 56 JA 1/16W | R3254 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R233 | 401 105 5806 | MT-GLAZE 56 JA 1/16W | R3255 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R234 | 401 105 5806 | MT-GLAZE 56 JA 1/16W | R3256 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R236 | 401 105 3901 | MT-GLAZE 33 JA 1/16W | R3257 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R237 | 401 105 3901 | MT-GLAZE 33 JA 1/16W | R3258 | 401 105 4106 | MT-GLAZE 3.3K JA 1/16W |
| R238 | 401 105 3901 | MT-GLAZE 33 JA 1/16W | R3259 | 401 105 4106 | MT-GLAZE 3.3K JA 1/16W |
| R240 | 403 157 1508 | CERAMIC 3P C 50V | R326 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| R242 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R3261 | 401 105 4106 | MT-GLAZE 3.3K JA 1/16W |
| R243 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R3262 | 401 105 4106 | MT-GLAZE 3.3K JA 1/16W |
| R244 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R3263 | 401 105 4106 | MT-GLAZE 3.3K JA 1/16W |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|----------|--------------|-------------------------|----------|--------------|-------------------------|
| R3264 | 401 105 2706 | MT-GLAZE 220 JA 1/16W | R361 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R3265 | 401 105 5905 | MT-GLAZE 560 JA 1/16W | R362 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R327 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R364 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R328 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R365 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R329 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R366 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R3301 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R369 | 401 105 0306 | MT-GLAZE 10 JA 1/16W |
| R3304 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R379 | 401 105 3208 | MT-GLAZE 270 JA 1/16W |
| R3305 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R3801 | 401 105 8005 | MT-GLAZE 1M JA 1/16W |
| R3307 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R3805 | 401 105 4106 | MT-GLAZE 3.3K JA 1/16W |
| R3308 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R3806 | 401 105 5301 | MT-GLAZE 4.7K JA 1/16W |
| R331 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R3807 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R3311 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R3808 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R3312 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R3809 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R3313 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R381 | 401 105 4007 | MT-GLAZE 330 JA 1/16W |
| R332 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R3811 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R3323 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R3812 | 401 105 4700 | MT-GLAZE 39K JA 1/16W |
| R3325 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R3813 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R3326 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R3814 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R3327 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R3816 | 401 105 1501 | MT-GLAZE 1.5K JA 1/16W |
| R333 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R3818 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R3331 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R382 | 401 105 3208 | MT-GLAZE 270 JA 1/16W |
| R334 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R383 | 401 105 4007 | MT-GLAZE 330 JA 1/16W |
| R3346 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R3831 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R3347 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R3832 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R3349 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R3835 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| R335 | 401 105 3208 | MT-GLAZE 270 JA 1/16W | R3836 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R3351 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R384 | 401 105 3208 | MT-GLAZE 270 JA 1/16W |
| R3352 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R385 | 401 105 4007 | MT-GLAZE 330 JA 1/16W |
| R3353 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R3851 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R336 | 401 105 4007 | MT-GLAZE 330 JA 1/16W | R3852 | 401 105 5301 | MT-GLAZE 4.7K JA 1/16W |
| R3361 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R386 | 401 105 3208 | MT-GLAZE 270 JA 1/16W |
| R3364 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R387 | 401 105 4007 | MT-GLAZE 330 JA 1/16W |
| R3366 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R3874 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R337 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R388 | 401 105 2706 | MT-GLAZE 220 JA 1/16W |
| R338 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R389 | 401 105 5905 | MT-GLAZE 560 JA 1/16W |
| R339 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R390 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R340 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R391 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R341 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R392 | 401 105 4007 | MT-GLAZE 330 JA 1/16W |
| R342 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R393 | 401 105 3208 | MT-GLAZE 270 JA 1/16W |
| R343 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R400 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R344 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R401 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R345 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R402 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R346 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R404 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R347 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R406 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R348 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R409 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R349 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R410 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R350 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R415 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R3507 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R417 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R351 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R419 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R3512 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R420 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R3514 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4203 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R3515 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4205 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R352 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R4206 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R353 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R4209 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R354 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R4216 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| R355 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R4217 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R3551 | 401 105 3901 | MT-GLAZE 33 JA 1/16W | R4218 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R3552 | 401 105 3901 | MT-GLAZE 33 JA 1/16W | R422 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R3553 | 401 105 3901 | MT-GLAZE 33 JA 1/16W | R4223 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R3554 | 401 105 3901 | MT-GLAZE 33 JA 1/16W | R4225 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R3555 | 401 105 3901 | MT-GLAZE 33 JA 1/16W | R4227 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R3556 | 401 105 3901 | MT-GLAZE 33 JA 1/16W | R4228 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R356 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R4236 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| R357 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R4237 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R358 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R4238 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R359 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R4243 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R360 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4245 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|----------|--------------|-------------------------|----------|--------------|-------------------------|
| R4246 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4843 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R4249 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4844 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R425 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4845 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R4256 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R4846 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R4257 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R4847 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| R4258 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R4848 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R426 | 401 105 5400 | MT-GLAZE 47K JA 1/16W | R4849 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R427 | 401 105 5400 | MT-GLAZE 47K JA 1/16W | R4850 | 401 105 0306 | MT-GLAZE 10 JA 1/16W |
| R430 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4851 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R4301 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R4852 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R4302 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R4853 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R4303 | 401 105 4205 | MT-GLAZE 33K JA 1/16W | R4854 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R4304 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4855 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R4306 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4856 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R4307 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4857 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R431 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4858 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R432 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4859 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R433 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4860 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R434 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4861 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R451 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4862 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R452 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4864 | 401 105 0306 | MT-GLAZE 10 JA 1/16W |
| R453 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4865 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R454 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4866 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| R455 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4868 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R456 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4869 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R472 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4870 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R474 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4874 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R475 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4876 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R476 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4877 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R4800 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4878 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R4801 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R4879 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| R4802 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R4881 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| R4803 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4882 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R4804 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R4883 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R4805 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R4884 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R4807 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4885 | 401 105 4106 | MT-GLAZE 3.3K JA 1/16W |
| R4809 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R4886 | 401 105 4106 | MT-GLAZE 3.3K JA 1/16W |
| R4811 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R4887 | 401 105 4106 | MT-GLAZE 3.3K JA 1/16W |
| R4812 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R4888 | 401 105 4106 | MT-GLAZE 3.3K JA 1/16W |
| R4813 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R4891 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R4814 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R4892 | 401 105 7909 | |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|----------|--------------|-------------------------|----------|--------------|-------------------------|
| R4923 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R553 | 401 105 6605 | MT-GLAZE 6.8K JA 1/16W |
| R4924 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R554 | 401 105 6001 | MT-GLAZE 5.6K JA 1/16W |
| R4925 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R557 | 401 113 6109 | MT-GLAZE 2.4K JA 1/16W |
| R4926 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R558 | 401 105 7404 | MT-GLAZE 8.2K JA 1/16W |
| R4927 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R560 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R4928 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R561 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R4929 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R562 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R493 | 401 105 1501 | MT-GLAZE 1.5K JA 1/16W | R563 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R4931 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R564 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R4932 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R566 | 401 105 1600 | MT-GLAZE 15K JA 1/16W |
| R4933 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R567 | 401 105 0702 | MT-GLAZE 100K JA 1/16W |
| R4934 | 401 105 0306 | MT-GLAZE 10 JA 1/16W | R568 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| R494 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R569 | 401 105 1105 | MT-GLAZE 12K JA 1/16W |
| R500 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R570 | 401 113 6109 | MT-GLAZE 2.4K JA 1/16W |
| R501 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R571 | 401 105 4205 | MT-GLAZE 33K JA 1/16W |
| R502 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R572 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R503 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R573 | 401 105 3406 | MT-GLAZE 27K JA 1/16W |
| R504 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R574 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R505 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R575 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R506 | 401 105 1600 | MT-GLAZE 15K JA 1/16W | R576 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R507 | 401 105 0702 | MT-GLAZE 100K JA 1/16W | R577 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R508 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R580 | 401 105 7404 | MT-GLAZE 8.2K JA 1/16W |
| R509 | 401 105 4205 | MT-GLAZE 33K JA 1/16W | R581 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| R510 | 401 113 6109 | MT-GLAZE 2.4K JA 1/16W | R582 | 401 105 5905 | MT-GLAZE 560 JA 1/16W |
| R511 | 401 105 1105 | MT-GLAZE 12K JA 1/16W | R583 | 401 148 6006 | MT-GLAZE 2.2 JA 1/16W |
| R512 | 401 105 3406 | MT-GLAZE 27K JA 1/16W | R586 | 401 113 6109 | MT-GLAZE 2.4K JA 1/16W |
| R513 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R587 | 401 105 7404 | MT-GLAZE 8.2K JA 1/16W |
| R514 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R593 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R517 | 401 113 6109 | MT-GLAZE 2.4K JA 1/16W | R6201 | 401 113 4402 | MT-GLAZE 75 JA 1/16W |
| R518 | 401 105 7404 | MT-GLAZE 8.2K JA 1/16W | R6202 | 401 113 4402 | MT-GLAZE 75 JA 1/16W |
| R519 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R6203 | 401 105 0504 | MT-GLAZE 1K JA 1/16W |
| R520 | 401 105 7404 | MT-GLAZE 8.2K JA 1/16W | R6204 | 401 105 0900 | MT-GLAZE 120 JA 1/16W |
| R5203 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R6205 | 401 105 0900 | MT-GLAZE 120 JA 1/16W |
| R5205 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R6206 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R5206 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R6207 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R5207 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R6208 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R5208 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R6212 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R5223 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R6214 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R5225 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R6216 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R5226 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R6217 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R5227 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R6218 | 401 105 0603 | MT-GLAZE 10K JA 1/16W |
| R5228 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R6219 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R5243 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R6221 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R5245 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R6222 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R5246 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R6223 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R5247 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R6224 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R5248 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R6226 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R530 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R6227 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R531 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R6231 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R532 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R6232 | 401 105 0306 | MT-GLAZE 10 JA 1/16W |
| R533 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R6233 | 401 105 0306 | MT-GLAZE 10 JA 1/16W |
| R534 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R6234 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R535 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R6235 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R536 | 401 105 1600 | MT-GLAZE 15K JA 1/16W | R6236 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R537 | 401 105 0702 | MT-GLAZE 100K JA 1/16W | R6237 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R538 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | R6238 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R539 | 401 105 4205 | MT-GLAZE 33K JA 1/16W | R6239 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R540 | 401 113 6109 | MT-GLAZE 2.4K JA 1/16W | R6251 | 401 259 1501 | MT-GLAZE 2.2 JA 1/3W |
| R541 | 401 105 1105 | MT-GLAZE 12K JA 1/16W | R6252 | 401 260 8308 | MT-GLAZE 18 JA 1/3W |
| R542 | 401 105 3406 | MT-GLAZE 27K JA 1/16W | R6253 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R543 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | R801 | 401 105 5301 | MT-GLAZE 4.7K JA 1/16W |
| R544 | 401 105 2409 | MT-GLAZE 2K JA 1/16W | R802 | 401 105 5301 | MT-GLAZE 4.7K JA 1/16W |
| R545 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | R803 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R546 | 401 105 4601 | MT-GLAZE 3.9K JA 1/16W | R804 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R550 | 401 105 7404 | MT-GLAZE 8.2K JA 1/16W | R806 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W |
| R551 | 401 105 5301 | MT-GLAZE 4.7K JA 1/16W | R809 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |
| R552 | 401 105 6605 | MT-GLAZE 6.8K JA 1/16W | R811 | 401 105 0405 | MT-GLAZE 100 JA 1/16W |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|-------------|--------------|-------------------------|--------------|--------------|---------------------------|
| R812 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | L1101 | 645 021 1706 | INDUCTOR, 33U J |
| R813 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | L1102 | 645 021 1751 | INDUCTOR, 56U J |
| R815 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | L1121 | 645 020 1776 | INDUCTOR, 3.3U M |
| R817 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | L1181 | 645 026 1008 | INDUCTOR, 3.3U M |
| R818 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | L1201 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R819 | 401 105 2904 | MT-GLAZE 22K JA 1/16W | L121 | 645 026 1022 | INDUCTOR, 4.7U M |
| R821 | 401 105 2904 | MT-GLAZE 22K JA 1/16W | L122 | 645 002 5266 | INDUCTOR, 10U M |
| R823 | 401 105 0900 | MT-GLAZE 120 JA 1/16W | L1221 | 645 026 1008 | INDUCTOR, 3.3U M |
| R825 | 401 105 5202 | MT-GLAZE 470 JA 1/16W | L1271 | 645 026 1008 | INDUCTOR, 3.3U M |
| R826 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | L1281 | 645 026 1008 | INDUCTOR, 3.3U M |
| R827 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | L1351 | 645 026 1008 | INDUCTOR, 3.3U M |
| R828 | 401 105 0504 | MT-GLAZE 1K JA 1/16W | L1352 | 645 026 1008 | INDUCTOR, 3.3U M |
| R831 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | L1362 | 645 026 1008 | INDUCTOR, 3.3U M |
| R833 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | L1401 | 645 026 1008 | INDUCTOR, 3.3U M |
| R834 | 401 105 2805 | MT-GLAZE 2.2K JA 1/16W | L1411 | 645 026 1008 | INDUCTOR, 3.3U M |
| R835 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | L1461 | 645 026 1008 | INDUCTOR, 3.3U M |
| R836 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | L1462 | 645 026 1008 | INDUCTOR, 3.3U M |
| R837 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | L1481 | 401 112 7701 | MT-GLAZE 560 FA 1/10W |
| R838 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | L1482 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R840 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | L1483 | 401 112 7701 | MT-GLAZE 560 FA 1/10W |
| R841 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | L1484 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R842 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | L1485 | 401 112 7701 | MT-GLAZE 560 FA 1/10W |
| R844 | 401 105 2904 | MT-GLAZE 22K JA 1/16W | L1486 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R845 | 401 105 2904 | MT-GLAZE 22K JA 1/16W | L1551 | 645 002 5129 | INDUCTOR, 0.47U M |
| R846 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | L1552 | 645 002 5129 | INDUCTOR, 0.47U M |
| R847 | 401 105 0702 | MT-GLAZE 100K JA 1/16W | L1553 | 645 002 5129 | INDUCTOR, 0.47U M |
| R848 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | L161 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R851 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | L162 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R853 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | L163 | 645 021 1669 | INDUCTOR, 22U J |
| R855 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | L171 | 645 021 1706 | INDUCTOR, 33U J |
| R859 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | L172 | 645 021 1706 | INDUCTOR, 33U J |
| R861 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | L191 | 645 021 1706 | INDUCTOR, 33U J |
| R862 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | L192 | 645 021 1706 | INDUCTOR, 33U J |
| R866 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | L2501 | 645 026 1008 | INDUCTOR, 3.3U M |
| R867 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | L2502 | 645 026 1008 | INDUCTOR, 3.3U M |
| R870 | 401 105 2904 | MT-GLAZE 22K JA 1/16W | L301 | 645 020 1776 | INDUCTOR, 3.3U M |
| R871 | 401 105 5301 | MT-GLAZE 4.7K JA 1/16W | L302 | 645 026 1008 | INDUCTOR, 3.3U M |
| R872 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | L3241 | 645 020 1776 | INDUCTOR, 3.3U M |
| R873 | 401 105 5301 | MT-GLAZE 4.7K JA 1/16W | L3301 | 645 020 1776 | INDUCTOR, 3.3U M |
| R874 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | L3321 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R875 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | L3323 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R876 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | L3801 | 645 021 1645 | INDUCTOR, 2.2U J |
| R877 | 401 105 7909 | MT-GLAZE 0.000 ZA 1/16W | L401 | 645 020 1776 | INDUCTOR, 3.3U M |
| R878 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | L4301 | 401 035 4108 | MT-GLAZE 0.000 ZA 1/8W |
| R879 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | L4302 | 401 035 4108 | MT-GLAZE 0.000 ZA 1/8W |
| R881 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | L4303 | 645 020 1776 | INDUCTOR, 3.3U M |
| R882 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | L4801 | 645 020 1776 | INDUCTOR, 3.3U M |
| R883 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | L4901 | 645 026 1008 | INDUCTOR, 3.3U M |
| R884 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | L491 | 645 026 1008 | INDUCTOR, 3.3U M |
| R885 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | L4951 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R886 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | L551 | 645 002 5129 | INDUCTOR, 0.47U M |
| R888 | 401 105 0405 | MT-GLAZE 100 JA 1/16W | L552 | 645 002 5129 | INDUCTOR, 0.47U M |
| R889 | 401 105 2904 | MT-GLAZE 22K JA 1/16W | L553 | 645 002 5129 | INDUCTOR, 0.47U M |
| R890 | 401 105 0603 | MT-GLAZE 10K JA 1/16W | L6201 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R891 | 401 105 2904 | MT-GLAZE 22K JA 1/16W | DIODE | | |
| R892 | 401 105 2904 | MT-GLAZE 22K JA 1/16W | D1360 | 407 187 7905 | ZENER DIODE UDZ9.1B-TE-17 |
| R893 | 401 105 2904 | MT-GLAZE 22K JA 1/16W | D1871 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| R894 | 401 105 2904 | MT-GLAZE 22K JA 1/16W | D1872 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| R895 | 401 105 6001 | MT-GLAZE 5.6K JA 1/16W | D1873 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| R896 | 401 105 2904 | MT-GLAZE 22K JA 1/16W | D1874 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| R897 | 401 105 2904 | MT-GLAZE 22K JA 1/16W | D1875 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| R898 | 401 105 2904 | MT-GLAZE 22K JA 1/16W | D1891 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| R899 | 401 105 2904 | MT-GLAZE 22K JA 1/16W | D1892 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| COIL | | | D1893 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L101 | 645 026 1008 | INDUCTOR, 3.3U M | D2502 | 407 149 0807 | DIODE 1SS355-TE-17 |
| L102 | 645 026 1008 | INDUCTOR, 3.3U M | D2503 | 407 149 0807 | DIODE 1SS355-TE-17 |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|---|--------------|-----------------------|------------------|--------------|-----------------------|
| D801 | 407 092 9506 | DIODE SB07-03C-TB | IC4003 | 409 350 3400 | IC LT1253CS8 |
| MISCELLANEOUS | | | IC6100 | 409 404 3509 | IC CXA2076Q |
| X101 | 645 034 6118 | OSC,CRYSTAL 20.250MHZ | IC6101 | 409 124 5708 | IC L78M09T-TR |
| X3301 | 645 036 3788 | OSC,CRISTAL,16.000MHZ | IC6102 | 409 416 6505 | IC BA05FP-E2 |
| X3801 | 645 035 8906 | OSC,CRYSTAL 48MHZ | IC6103 | 409 408 4205 | IC TDA8395T/N3 |
| X801 | 645 035 2249 | OSC,CRYSTAL 6.7584MHZ | CAPACITOR | | |
| 610 281 1377ASSY,PWB,VIDEO M6VAA 1AA0B10C23400 | | | C4001 | 403 162 4709 | ELECT 10U M 16V |
| TRANSISTOR | | | C4003 | 403 012 6808 | CERAMIC 15P J 50V |
| Q4000 | 405 134 5905 | TR 2SA1037AK-T146-R | C4005 | 403 266 8207 | NP-ELECT 10U M 16V |
| Q4001 | 405 014 4509 | TR 2SC2412K T146 R | C4007 | 403 008 7406 | CERAMIC 10P D 50V |
| | 405 014 4608 | TR 2SC2412K T146 S | C4008 | 403 192 5905 | CERAMIC 0.1U K 25V |
| | 405 015 8704 | TR 2SC2812-L6-TB | C4009 | 403 175 3300 | ELECT 47U M 16V |
| | 405 015 8902 | TR 2SC2812-L7-TB | C4023 | 403 175 4109 | ELECT 22U M 16V |
| Q4002 | 405 014 4509 | TR 2SC2412K T146 R | C4024 | 403 314 5905 | CERAMIC 0.47U K 16V |
| | 405 014 4608 | TR 2SC2412K T146 S | C4027 | 403 069 5601 | CERAMIC 0.01U K 50V |
| | 405 015 8704 | TR 2SC2812-L6-TB | C4028 | 403 070 0909 | CERAMIC 0.1U K 50V |
| | 405 015 8902 | TR 2SC2812-L7-TB | C4029 | 403 175 4109 | ELECT 22U M 16V |
| Q4003 | 405 014 4509 | TR 2SC2412K T146 R | C4030 | 403 070 2606 | CERAMIC 0.1U Z 50V |
| | 405 014 4608 | TR 2SC2412K T146 S | C4031 | 403 069 5601 | CERAMIC 0.01U K 50V |
| | 405 015 8704 | TR 2SC2812-L6-TB | C4040 | 403 069 5601 | CERAMIC 0.01U K 50V |
| | 405 015 8902 | TR 2SC2812-L7-TB | C4041 | 403 269 5906 | CERAMIC 0.22U K 16V |
| Q4004 | 405 134 5905 | TR 2SA1037AK-T146-R | C4042 | 403 070 2606 | CERAMIC 0.1U Z 50V |
| Q4005 | 405 014 4509 | TR 2SC2412K T146 R | C4043 | 403 229 3508 | ELECT 100U M 16V |
| | 405 014 4608 | TR 2SC2412K T146 S | C4044 | 403 069 5601 | CERAMIC 0.01U K 50V |
| | 405 015 8704 | TR 2SC2812-L6-TB | C4045 | 403 069 5601 | CERAMIC 0.01U K 50V |
| | 405 015 8902 | TR 2SC2812-L7-TB | C4046 | 403 229 3508 | ELECT 100U M 16V |
| Q4006 | 405 014 4509 | TR 2SC2412K T146 R | C4047 | 403 229 3508 | ELECT 100U M 16V |
| | 405 014 4608 | TR 2SC2412K T146 S | C4048 | 403 069 5601 | CERAMIC 0.01U K 50V |
| | 405 015 8704 | TR 2SC2812-L6-TB | C4049 | 403 069 5601 | CERAMIC 0.01U K 50V |
| | 405 015 8902 | TR 2SC2812-L7-TB | C4050 | 403 229 3508 | ELECT 100U M 16V |
| Q4007 | 405 014 4509 | TR 2SC2412K T146 R | C4051 | 403 069 5601 | CERAMIC 0.01U K 50V |
| | 405 014 4608 | TR 2SC2412K T146 S | C4052 | 403 011 4904 | CERAMIC 120P J 50V |
| | 405 015 8704 | TR 2SC2812-L6-TB | C4054 | 403 014 9203 | CERAMIC 180P J 50V |
| | 405 015 8902 | TR 2SC2812-L7-TB | C4055 | 403 069 5601 | CERAMIC 0.01U K 50V |
| Q4008 | 405 014 4509 | TR 2SC2412K T146 R | C4056 | 403 069 5601 | CERAMIC 0.01U K 50V |
| | 405 014 4608 | TR 2SC2412K T146 S | C4058 | 403 069 5601 | CERAMIC 0.01U K 50V |
| | 405 015 8704 | TR 2SC2812-L6-TB | C4059 | 403 069 5601 | CERAMIC 0.01U K 50V |
| | 405 015 8902 | TR 2SC2812-L7-TB | C4060 | 403 229 3508 | ELECT 100U M 16V |
| Q4009 | 405 014 4509 | TR 2SC2412K T146 R | C4061 | 403 069 5601 | CERAMIC 0.01U K 50V |
| | 405 014 4608 | TR 2SC2412K T146 S | C4063 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| | 405 015 8704 | TR 2SC2812-L6-TB | C4064 | 403 009 5708 | CERAMIC 100P J 50V |
| | 405 015 8902 | TR 2SC2812-L7-TB | C4065 | 403 022 8205 | CERAMIC 33P J 50V |
| Q4010 | 405 014 4509 | TR 2SC2412K T146 R | C4066 | 403 192 5905 | CERAMIC 0.1U K 25V |
| | 405 014 4608 | TR 2SC2412K T146 S | C4068 | 403 192 5905 | CERAMIC 0.1U K 25V |
| | 405 015 8704 | TR 2SC2812-L6-TB | C4069 | 403 175 3300 | ELECT 47U M 16V |
| | 405 015 8902 | TR 2SC2812-L7-TB | C4082 | 403 008 7406 | CERAMIC 10P D 50V |
| Q4011 | 405 134 5905 | TR 2SA1037AK-T146-R | C4083 | 403 314 5905 | CERAMIC 0.47U K 16V |
| Q4012 | 405 014 4509 | TR 2SC2412K T146 R | C4084 | 403 314 5905 | CERAMIC 0.47U K 16V |
| | 405 014 4608 | TR 2SC2412K T146 S | C4085 | 403 175 4109 | ELECT 22U M 16V |
| | 405 015 8704 | TR 2SC2812-L6-TB | C6100 | 403 162 4709 | ELECT 10U M 16V |
| | 405 015 8902 | TR 2SC2812-L7-TB | C6101 | 403 266 8207 | NP-ELECT 10U M 16V |
| Q4013 | 405 134 5905 | TR 2SA1037AK-T146-R | C6102 | 403 314 5905 | CERAMIC 0.47U K 16V |
| Q4014 | 405 014 4509 | TR 2SC2412K T146 R | C6103 | 403 266 8207 | NP-ELECT 10U M 16V |
| | 405 014 4608 | TR 2SC2412K T146 S | C6104 | 403 314 5905 | CERAMIC 0.47U K 16V |
| | 405 015 8704 | TR 2SC2812-L6-TB | C6105 | 403 314 5905 | CERAMIC 0.47U K 16V |
| | 405 015 8902 | TR 2SC2812-L7-TB | C6106 | 403 073 7301 | CERAMIC 470P K 50V |
| Q6100 | 405 134 5905 | TR 2SA1037AK-T146-R | C6107 | 403 314 5905 | CERAMIC 0.47U K 16V |
| INTEGRATED CIRCUIT | | | C6108 | 403 012 1100 | CERAMIC 13P J 50V |
| IC4000 | 409 350 3400 | IC LT1253CS8 | C6109 | 403 012 1100 | CERAMIC 13P J 50V |
| IC4001 | 409 051 2900 | IC TC4053BF-TP1 | C6110 | 403 192 5905 | CERAMIC 0.1U K 25V |
| | 409 211 7301 | IC MC14053BFL | C6111 | 403 192 5905 | CERAMIC 0.1U K 25V |
| IC4002 | 409 418 9504 | IC TC9090AF | C6112 | 403 192 5905 | CERAMIC 0.1U K 25V |
| | | | C6113 | 403 192 5905 | CERAMIC 0.1U K 25V |
| | | | C6114 | 403 192 5905 | CERAMIC 0.1U K 25V |
| | | | C6115 | 403 229 3508 | ELECT 100U M 16V |
| | | | C6116 | 403 314 5905 | CERAMIC 0.47U K 16V |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|-----------------|--------------|-------------------------|----------|--------------|-------------------------|
| C6117 | 403 069 9500 | CERAMIC 0.01U Z 50V | R4048 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| C6118 | 403 069 9500 | CERAMIC 0.01U Z 50V | R4049 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| C6119 | 403 069 9500 | CERAMIC 0.01U Z 50V | R4050 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| C6120 | 403 069 5601 | CERAMIC 0.01U K 50V | R4051 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| C6121 | 403 162 4709 | ELECT 10U M 16V | R4052 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| C6122 | 403 192 5905 | CERAMIC 0.1U K 25V | R4053 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| C6123 | 403 192 5905 | CERAMIC 0.1U K 25V | R4054 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| C6124 | 403 192 5905 | CERAMIC 0.1U K 25V | R4055 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| C6125 | 403 192 5905 | CERAMIC 0.1U K 25V | R4056 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| C6126 | 403 073 9107 | CERAMIC 4700P K 50V | R4060 | 401 037 7800 | MT-GLAZE 150 JA 1/10W |
| C6127 | 403 162 6208 | ELECT 1U M 50V | R4061 | 401 037 7800 | MT-GLAZE 150 JA 1/10W |
| C6128 | 403 069 5601 | CERAMIC 0.01U K 50V | R4062 | 401 037 7909 | MT-GLAZE 1.5K JA 1/10W |
| C6129 | 403 314 5905 | CERAMIC 0.47U K 16V | R4063 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| C6130 | 403 162 4709 | ELECT 10U M 16V | R4064 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| C6131 | 403 314 5905 | CERAMIC 0.47U K 16V | R4065 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| C6132 | 403 314 5905 | CERAMIC 0.47U K 16V | R4066 | 401 039 0304 | MT-GLAZE 820 JA 1/10W |
| C6133 | 403 069 5601 | CERAMIC 0.01U K 50V | R4067 | 401 039 0403 | MT-GLAZE 8.2K JA 1/10W |
| C6134 | 403 022 8205 | CERAMIC 33P J 50V | R4068 | 401 037 6803 | MT-GLAZE 12K JA 1/10W |
| C6135 | 403 314 5905 | CERAMIC 0.47U K 16V | R4070 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| C6136 | 403 175 4109 | ELECT 22U M 16V | R4072 | 401 038 6307 | MT-GLAZE 470 JA 1/10W |
| C6140 | 403 229 3508 | ELECT 100U M 16V | R4074 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| C6141 | 403 229 3508 | ELECT 100U M 16V | R4075 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| C6142 | 403 229 3508 | ELECT 100U M 16V | R4076 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| C6143 | 403 229 3508 | ELECT 100U M 16V | R4077 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| C6150 | 403 192 5905 | CERAMIC 0.1U K 25V | R4078 | 401 037 6803 | MT-GLAZE 12K JA 1/10W |
| C6151 | 403 192 5905 | CERAMIC 0.1U K 25V | R4079 | 401 038 5102 | MT-GLAZE 3.9K JA 1/10W |
| C6152 | 403 162 4709 | ELECT 10U M 16V | R4080 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| C6153 | 403 314 5905 | CERAMIC 0.47U K 16V | R4081 | 401 038 7601 | MT-GLAZE 560 JA 1/10W |
| C6154 | 403 192 5905 | CERAMIC 0.1U K 25V | R4082 | 401 037 6704 | MT-GLAZE 1.2K JA 1/10W |
| RESISTOR | | | R4083 | 401 038 6307 | MT-GLAZE 470 JA 1/10W |
| R4000 | 401 037 5202 | MT-GLAZE 100 JA 1/10W | R4084 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R4001 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | R4085 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R4002 | 401 112 7602 | MT-GLAZE 1K FA 1/10W | R4086 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R4003 | 401 112 7602 | MT-GLAZE 1K FA 1/10W | R4090 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R4004 | 401 111 5005 | MT-GLAZE 100K FA 1/10W | R4091 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R4005 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | R4094 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R4006 | 401 100 5207 | MT-GLAZE 15K FA 1/10W | R4095 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R4007 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | R4096 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R4008 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | R4097 | 401 038 3603 | MT-GLAZE 3.3K JA 1/10W |
| R4009 | 401 092 3304 | MT-GLAZE 1.2K FA 1/10W | R6100 | 401 037 8005 | MT-GLAZE 15K JA 1/10W |
| R4010 | 401 092 2604 | MT-GLAZE 3K FA 1/10W | R6101 | 401 038 7601 | MT-GLAZE 560 JA 1/10W |
| R4013 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | R6102 | 401 037 9200 | MT-GLAZE 1.8K JA 1/10W |
| R4014 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | R6103 | 401 037 5103 | MT-GLAZE 10 JA 1/10W |
| R4016 | 401 112 7602 | MT-GLAZE 1K FA 1/10W | R6104 | 401 038 9209 | MT-GLAZE 6.8K JA 1/10W |
| R4017 | 401 111 5005 | MT-GLAZE 100K FA 1/10W | R6105 | 401 038 6307 | MT-GLAZE 470 JA 1/10W |
| R4018 | 401 038 5300 | MT-GLAZE 39K JA 1/10W | R6106 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R4019 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | R6107 | 401 037 5103 | MT-GLAZE 10 JA 1/10W |
| R4020 | 645 021 1706 | INDUCTOR, 33U J | R6108 | 401 038 3801 | MT-GLAZE 330K JA 1/10W |
| R4021 | 401 038 6505 | MT-GLAZE 47K JA 1/10W | R6109 | 401 037 7800 | MT-GLAZE 150 JA 1/10W |
| R4022 | 401 150 4403 | MT-GLAZE 12K FA 1/10W | R6110 | 401 038 6307 | MT-GLAZE 470 JA 1/10W |
| R4023 | 401 092 1904 | MT-GLAZE 2.7K FA 1/10W | R6111 | 401 038 3603 | MT-GLAZE 3.3K JA 1/10W |
| R4024 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | R6112 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R4025 | 401 037 5202 | MT-GLAZE 100 JA 1/10W | R6113 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R4030 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | R6114 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R4031 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | R6115 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R4032 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | R6116 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R4038 | 401 038 6307 | MT-GLAZE 470 JA 1/10W | R6120 | 401 037 7800 | MT-GLAZE 150 JA 1/10W |
| R4039 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | R6121 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R4040 | 401 038 6307 | MT-GLAZE 470 JA 1/10W | R6122 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R4041 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | R6123 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R4042 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | R6124 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R4043 | 401 037 5202 | MT-GLAZE 100 JA 1/10W | R6125 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R4044 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | R6140 | 401 183 8300 | MT-GLAZE 120 JA 1W |
| R4045 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | R6148 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R4046 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R6150 | 401 035 4108 | MT-GLAZE 0.000 ZA 1/8W |
| R4047 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R6151 | 401 183 8300 | MT-GLAZE 120 JA 1W |
| | | | R6152 | 401 183 8300 | MT-GLAZE 120 JA 1W |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description | |
|---|--------------|--------------------------|------------------|--------------|----------------------|----------------------|
| R6153 | 401 183 8300 | MT-GLAZE 120 JA 1W | | 405 014 4608 | TR 2SC2412K T146 S | |
| COIL | | | | 405 015 8704 | TR 2SC2812-L6-TB | |
| L4000 | 645 025 6066 | FILTER,LP 7MHZ | Q5112 | 405 015 8902 | TR 2SC2812-L7-TB | |
| L4001 | 645 021 1706 | INDUCTOR,33U J | | 405 014 4509 | TR 2SC2412K T146 R | |
| L4002 | 645 025 6066 | FILTER,LP 7MHZ | | 405 014 4608 | TR 2SC2412K T146 S | |
| L4003 | 645 020 1776 | INDUCTOR,3.3U M | | 405 015 8704 | TR 2SC2812-L6-TB | |
| L4010 | 645 026 1008 | INDUCTOR,3.3U M | Q5141 | 405 015 8902 | TR 2SC2812-L7-TB | |
| L4011 | 645 026 1008 | INDUCTOR,3.3U M | | 405 014 4509 | TR 2SC2412K T146 R | |
| L4012 | 645 026 1008 | INDUCTOR,3.3U M | | 405 014 4608 | TR 2SC2412K T146 S | |
| L4013 | 645 026 1008 | INDUCTOR,3.3U M | | 405 015 8704 | TR 2SC2812-L6-TB | |
| L4014 | 645 021 1751 | INDUCTOR,56U J | Q5142 | 405 015 8902 | TR 2SC2812-L7-TB | |
| L4015 | 645 021 1751 | INDUCTOR,56U J | | 405 014 4509 | TR 2SC2412K T146 R | |
| DIODE | | | | 405 014 4608 | TR 2SC2412K T146 S | |
| D6140 | 407 187 8605 | ZENER DIODE UDZ20B-TE-17 | | 405 015 8704 | TR 2SC2812-L6-TB | |
| D6141 | 407 149 0807 | DIODE 1SS355-TE-17 | Q5156 | 405 015 8902 | TR 2SC2812-L7-TB | |
| D6143 | 407 149 0807 | DIODE 1SS355-TE-17 | | 405 014 4509 | TR 2SC2412K T146 R | |
| D6150 | 407 149 0807 | DIODE 1SS355-TE-17 | | 405 014 4608 | TR 2SC2412K T146 S | |
| MISCELLANEOUS | | | | 405 015 8704 | TR 2SC2812-L6-TB | |
| X6100 | 645 024 8535 | OSC,CERAMIC 500.0KHZ | Q5157 | 405 015 8902 | TR 2SC2812-L7-TB | |
| X6101 | 645 036 0589 | OSC,CRYSTAL 4.433619MHZ | | 405 014 4509 | TR 2SC2412K T146 R | |
| X6102 | 645 036 0596 | OSC,CRYSTAL 3.579545MHZ | | 405 014 4608 | TR 2SC2412K T146 S | |
| 610 281 5405ASSY,PWB,INTERFACE-M6VAA 1AA0B10C2370A | | | | 405 015 8902 | TR 2SC2812-L7-TB | |
| TRANSISTOR | | | Q5158 | 405 014 4509 | TR 2SC2412K T146 R | |
| Q2151 | 405 014 4509 | TR 2SC2412K T146 R | | 405 014 4608 | TR 2SC2412K T146 S | |
| | 405 014 4608 | TR 2SC2412K T146 S | | 405 015 8704 | TR 2SC2812-L6-TB | |
| | 405 015 8704 | TR 2SC2812-L6-TB | | 405 015 8902 | TR 2SC2812-L7-TB | |
| | 405 015 8902 | TR 2SC2812-L7-TB | | | | |
| Q2152 | 405 014 4509 | TR 2SC2412K T146 R | IC2803 | 409 380 6303 | IC HIN232CB | |
| | 405 014 4608 | TR 2SC2412K T146 S | | 409 273 3501 | IC SP232ACT | |
| | 405 015 8704 | TR 2SC2812-L6-TB | | 410 296 5700 | IC TWM7000-151020 | |
| | 405 015 8902 | TR 2SC2812-L7-TB | | 410 275 5707 | IC TWM7000-162020 | |
| Q2153 | 405 014 4509 | TR 2SC2412K T146 R | IC2851 | 410 275 5806 | IC TWM7000-162020 | |
| | 405 014 4608 | TR 2SC2412K T146 S | | 410 296 2402 | IC TMP47C101M-JV45 | |
| | 405 015 8704 | TR 2SC2812-L6-TB | | IC2872 | 409 344 1900 | IC MN1382-Q-TX |
| | 405 015 8902 | TR 2SC2812-L7-TB | | IC2891 | 409 380 6303 | IC HIN232CB |
| Q2154 | 405 014 4509 | TR 2SC2412K T146 R | IC4131 | 409 273 3501 | IC SP232ACT | |
| | 405 014 4608 | TR 2SC2412K T146 S | | 409 407 7900 | IC EL4332CS | |
| | 405 015 8704 | TR 2SC2812-L6-TB | | 409 417 1400 | IC CXA2016S | |
| | 405 015 8902 | TR 2SC2812-L7-TB | | IC4161 | 409 330 2508 | IC TC7SH04FU-(TE85L) |
| Q2155 | 405 014 4509 | TR 2SC2412K T146 R | IC4162 | 410 356 7606 | IC SN74AHC1G04HDCKR | |
| | 405 014 4608 | TR 2SC2412K T146 S | | 409 330 2508 | IC TC7SH04FU-(TE85L) | |
| | 405 015 8704 | TR 2SC2812-L6-TB | | 410 356 7606 | IC SN74AHC1G04HDCKR | |
| | 405 015 8902 | TR 2SC2812-L7-TB | | 409 368 5809 | IC TC7SH08FU(TE85L) | |
| Q4161 | 405 014 4509 | TR 2SC2412K T146 R | IC4163 | 410 356 7903 | IC SN74AHC1G08HDCKR | |
| | 405 014 4608 | TR 2SC2412K T146 S | | IC4171 | 409 202 1400 | IC MC14538BF-L1 |
| | 405 015 8704 | TR 2SC2812-L6-TB | | IC4176 | 409 153 5601 | IC MC74F244M |
| | 405 015 8902 | TR 2SC2812-L7-TB | | 409 451 4108 | IC SN74F244NSR | |
| Q4181 | 405 014 4509 | TR 2SC2412K T146 R | IC5101 | 409 051 2702 | IC TC4052BF-TP1 | |
| | 405 014 4608 | TR 2SC2412K T146 S | | 409 421 8808 | IC M62420FP | |
| | 405 015 8704 | TR 2SC2812-L6-TB | | IC5191 | 409 390 6201 | IC EL2244CS |
| | 405 015 8902 | TR 2SC2812-L7-TB | | IC5301 | 409 445 7405 | IC SII151CT100 |
| Q4196 | 405 014 4509 | TR 2SC2412K T146 R | IC5302 | 410 343 7008 | IC SN74AHCT1G14DBVR | |
| | 405 014 4608 | TR 2SC2412K T146 S | | IC5303 | 410 344 7205 | IC SN74LV374ANSR |
| | 405 015 8704 | TR 2SC2812-L6-TB | CAPACITOR | | | |
| | 405 015 8902 | TR 2SC2812-L7-TB | C2131 | 403 069 9500 | CERAMIC 0.01U Z 50V | |
| Q5110 | 405 014 4509 | TR 2SC2412K T146 R | C2132 | 403 069 9500 | CERAMIC 0.01U Z 50V | |
| | 405 014 4608 | TR 2SC2412K T146 S | C2133 | 403 069 9500 | CERAMIC 0.01U Z 50V | |
| | 405 015 8704 | TR 2SC2812-L6-TB | C2134 | 403 162 4006 | ELECT 22U M 6.3V | |
| | 405 015 8902 | TR 2SC2812-L7-TB | C2139 | 403 280 0805 | ELECT 330U M 6.3V | |
| Q5111 | 405 014 4509 | TR 2SC2412K T146 R | C2141 | 403 280 0805 | ELECT 330U M 6.3V | |

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|----------|--------------|---------------------|----------|--------------|----------------------|
| C2142 | 403 280 0805 | ELECT 330U M 6.3V | C4183 | 403 192 5905 | CERAMIC 0.1U K 25V |
| C2151 | 403 175 3300 | ELECT 47U M 16V | C4191 | 403 014 9203 | CERAMIC 180P J 50V |
| C2152 | 403 175 3300 | ELECT 47U M 16V | C4192 | 403 014 9203 | CERAMIC 180P J 50V |
| C2153 | 403 175 3300 | ELECT 47U M 16V | C4193 | 403 070 5508 | CERAMIC 1200P K 50V |
| C2154 | 403 069 9500 | CERAMIC 0.01U Z 50V | C4194 | 403 070 5508 | CERAMIC 1200P K 50V |
| C2155 | 403 069 9500 | CERAMIC 0.01U Z 50V | C4196 | 403 162 6000 | ELECT 0.47U M 50V |
| C2156 | 403 192 5905 | CERAMIC 0.1U K 25V | C5101 | 403 205 7803 | TA-SOLID 2.2U M 16V |
| C2157 | 403 192 5905 | CERAMIC 0.1U K 25V | C5102 | 403 205 7803 | TA-SOLID 2.2U M 16V |
| C2158 | 403 162 4006 | ELECT 22U M 6.3V | C5103 | 403 205 7803 | TA-SOLID 2.2U M 16V |
| C2171 | 403 028 4102 | CERAMIC 56P J 50V | C5106 | 403 205 7803 | TA-SOLID 2.2U M 16V |
| C2172 | 403 028 4102 | CERAMIC 56P J 50V | C5112 | 403 280 1604 | ELECT 220U M 16V |
| C2173 | 403 028 4102 | CERAMIC 56P J 50V | C5113 | 403 314 5905 | CERAMIC 0.47U K 16V |
| C2193 | 403 316 5408 | CERAMIC 1U K 10V | C5114 | 403 314 5905 | CERAMIC 0.47U K 16V |
| C2194 | 403 069 9500 | CERAMIC 0.01U Z 50V | C5115 | 403 205 7803 | TA-SOLID 2.2U M 16V |
| C2195 | 403 316 5408 | CERAMIC 1U K 10V | C5116 | 403 205 7803 | TA-SOLID 2.2U M 16V |
| C2196 | 403 069 9500 | CERAMIC 0.01U Z 50V | C5117 | 403 205 7803 | TA-SOLID 2.2U M 16V |
| C2801 | 403 316 5408 | CERAMIC 1U K 10V | C5120 | 403 280 1604 | ELECT 220U M 16V |
| C2803 | 403 316 5408 | CERAMIC 1U K 10V | C5121 | 403 280 1604 | ELECT 220U M 16V |
| C2804 | 403 316 5408 | CERAMIC 1U K 10V | C5122 | 403 267 0606 | NP-ELECT 4.7U M 16V |
| C2808 | 403 162 6208 | ELECT 1U M 50V | C5123 | 403 072 1607 | CERAMIC 0.022U K 50V |
| C2811 | 403 162 6208 | ELECT 1U M 50V | C5124 | 403 314 5905 | CERAMIC 0.47U K 16V |
| C2812 | 403 162 6208 | ELECT 1U M 50V | C5125 | 403 073 1200 | CERAMIC 0.033U K 50V |
| C2813 | 403 162 6208 | ELECT 1U M 50V | C5130 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| C2814 | 403 162 6208 | ELECT 1U M 50V | C5131 | 403 175 3300 | ELECT 47U M 16V |
| C2816 | 403 316 5408 | CERAMIC 1U K 10V | C5132 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| C2820 | 403 316 5408 | CERAMIC 1U K 10V | C5134 | 403 073 1200 | CERAMIC 0.033U K 50V |
| C2851 | 403 175 4505 | ELECT 47U M 6.3V | C5135 | 403 314 5905 | CERAMIC 0.47U K 16V |
| C2852 | 403 316 5408 | CERAMIC 1U K 10V | C5136 | 403 072 1607 | CERAMIC 0.022U K 50V |
| C2853 | 403 316 5408 | CERAMIC 1U K 10V | C5137 | 403 280 1604 | ELECT 220U M 16V |
| C2854 | 403 316 5408 | CERAMIC 1U K 10V | C5138 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| C2858 | 403 162 6208 | ELECT 1U M 50V | C5139 | 403 280 1604 | ELECT 220U M 16V |
| C2860 | 403 316 5408 | CERAMIC 1U K 10V | C5140 | 403 267 0606 | NP-ELECT 4.7U M 16V |
| C2872 | 403 316 5408 | CERAMIC 1U K 10V | C5141 | 403 314 5905 | CERAMIC 0.47U K 16V |
| C2873 | 403 316 5408 | CERAMIC 1U K 10V | C5151 | 403 162 4709 | ELECT 10U M 16V |
| C2891 | 403 162 6208 | ELECT 1U M 50V | C5152 | 403 162 4709 | ELECT 10U M 16V |
| C2892 | 403 162 6208 | ELECT 1U M 50V | C5153 | 403 069 1702 | CERAMIC 1000P K 50V |
| C2893 | 403 162 6208 | ELECT 1U M 50V | C5154 | 403 069 1702 | CERAMIC 1000P K 50V |
| C2894 | 403 162 6208 | ELECT 1U M 50V | C5191 | 403 008 7406 | CERAMIC 10P D 50V |
| C4126 | 403 192 5905 | CERAMIC 0.1U K 25V | C5193 | 403 008 7406 | CERAMIC 10P D 50V |
| C4127 | 403 069 5601 | CERAMIC 0.01U K 50V | C5301 | 403 175 3904 | ELECT 10U M 25V |
| C4128 | 403 175 4505 | ELECT 47U M 6.3V | C5302 | 403 175 3904 | ELECT 10U M 25V |
| C4129 | 403 069 9500 | CERAMIC 0.01U Z 50V | C5303 | 403 070 2606 | CERAMIC 0.1U Z 50V |
| C4131 | 403 267 0606 | NP-ELECT 4.7U M 16V | C5304 | 403 009 5708 | CERAMIC 100P J 50V |
| C4132 | 403 267 0606 | NP-ELECT 4.7U M 16V | C5306 | 403 009 5708 | CERAMIC 100P J 50V |
| C4133 | 403 267 0606 | | | | |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|----------|--------------|-------------------------|----------|--------------|-------------------------|
| RB5331 | 645 028 5998 | R-NETWORK 10X4 1/16W | R2184 | 401 038 9506 | MT-GLAZE 75 JA 1/10W |
| RB5332 | 645 028 5998 | R-NETWORK 10X4 1/16W | R2186 | 401 038 9506 | MT-GLAZE 75 JA 1/10W |
| RB5341 | 645 028 5998 | R-NETWORK 10X4 1/16W | R2192 | 401 276 4707 | MT-GLAZE 0.000 ZA 1/3W |
| RB5344 | 645 028 5998 | R-NETWORK 10X4 1/16W | R2800 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| RB5346 | 645 028 5998 | R-NETWORK 10X4 1/16W | R2801 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| RB5356 | 645 028 5998 | R-NETWORK 10X4 1/16W | R2802 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| RB5357 | 645 028 5998 | R-NETWORK 10X4 1/16W | R2803 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| RB5366 | 645 028 5998 | R-NETWORK 10X4 1/16W | R2804 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| RB5367 | 645 028 5998 | R-NETWORK 10X4 1/16W | R2805 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| RB5376 | 645 028 5998 | R-NETWORK 10X4 1/16W | R2806 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| RB5377 | 645 028 5998 | R-NETWORK 10X4 1/16W | R2807 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R2101 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R2808 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R2102 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R2809 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R2103 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | R2810 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R2104 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R2811 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R2105 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R2812 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R2106 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | R2814 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R2107 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R2815 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R2108 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R2816 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R2109 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | R2818 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R2111 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R2819 | 401 038 3702 | MT-GLAZE 33K JA 1/10W |
| R2112 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R2850 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R2113 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | R2851 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R2114 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R2852 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R2115 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R2853 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R2116 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | R2854 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R2117 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R2855 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R2118 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R2856 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R2119 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | R2857 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R2131 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | R2859 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R2132 | 401 037 7800 | MT-GLAZE 150 JA 1/10W | R2861 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R2133 | 401 037 7800 | MT-GLAZE 150 JA 1/10W | R2862 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R2134 | 401 037 7800 | MT-GLAZE 150 JA 1/10W | R2863 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R2135 | 401 037 7800 | MT-GLAZE 150 JA 1/10W | R2864 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R2136 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | R2866 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R2137 | 401 092 2109 | MT-GLAZE 100 FA 1/10W | R2868 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R2138 | 401 092 2109 | MT-GLAZE 100 FA 1/10W | R2869 | 401 038 3702 | MT-GLAZE 33K JA 1/10W |
| R2140 | 401 279 3905 | MT-GLAZE 39 JA 1/3W | R2870 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R2141 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | R2871 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R2142 | 401 037 7800 | MT-GLAZE 150 JA 1/10W | R2872 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R2143 | 401 037 7800 | MT-GLAZE 150 JA 1/10W | R2873 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R2144 | 401 037 5202 | MT-GLAZE 100 JA 1/10W | R2882 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R2146 | 401 158 3705 | MT-GLAZE 75 FA 1/10W | R2883 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R2147 | 401 158 3705 | MT-GLAZE 75 FA 1/10W | R2884 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R2148 | 401 158 3705 | MT-GLAZE 75 FA 1/10W | R2895 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R2151 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W | R4102 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R2152 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | R4105 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R2153 | 401 037 5202 | MT-GLAZE 100 JA 1/10W | R4112 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R2154 | 401 092 2109 | MT-GLAZE 100 FA 1/10W | R4115 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R2155 | 401 092 2109 | MT-GLAZE 100 FA 1/10W | R4123 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R2156 | 401 037 5202 | MT-GLAZE 100 JA 1/10W | R4129 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R2157 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W | R4131 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R2158 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | R4132 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R2159 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R4133 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R2161 | 401 092 2109 | MT-GLAZE 100 FA 1/10W | R4134 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R2162 | 401 092 2109 | MT-GLAZE 100 FA 1/10W | R4136 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R2163 | 401 037 5202 | MT-GLAZE 100 JA 1/10W | R4137 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R2164 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W | R4139 | 401 037 7800 | MT-GLAZE 150 JA 1/10W |
| R2165 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | R4146 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R2166 | 401 038 0800 | MT-GLAZE 22K JA 1/10W | R4148 | 401 038 0503 | MT-GLAZE 22 JA 1/10W |
| R2167 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W | R4149 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R2171 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R4150 | 401 150 4403 | MT-GLAZE 12K FA 1/10W |
| R2172 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R4153 | 401 038 3702 | MT-GLAZE 33K JA 1/10W |
| R2173 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R4155 | 401 038 0602 | MT-GLAZE 220 JA 1/10W |
| R2174 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R4156 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R2175 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | R4157 | 401 037 7800 | MT-GLAZE 150 JA 1/10W |
| R2182 | 401 038 9506 | MT-GLAZE 75 JA 1/10W | R4158 | 401 037 7800 | MT-GLAZE 150 JA 1/10W |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|----------|--------------|-------------------------|----------|--------------|-------------------------|
| R4159 | 401 150 4403 | MT-GLAZE 12K FA 1/10W | R5171 | 401 038 6604 | MT-GLAZE 470K JA 1/10W |
| R4161 | 401 037 5202 | MT-GLAZE 100 JA 1/10W | R5172 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R4162 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R5173 | 401 038 6604 | MT-GLAZE 470K JA 1/10W |
| R4163 | 401 037 5202 | MT-GLAZE 100 JA 1/10W | R5174 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R4164 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R5181 | 401 037 5707 | MT-GLAZE 100K JA 1/10W |
| R4165 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W | R5182 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R4166 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | R5183 | 401 037 5707 | MT-GLAZE 100K JA 1/10W |
| R4167 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | R5184 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R4168 | 401 037 5103 | MT-GLAZE 10 JA 1/10W | R5191 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R4171 | 401 037 5707 | MT-GLAZE 100K JA 1/10W | R5192 | 401 038 9209 | MT-GLAZE 6.8K JA 1/10W |
| R4172 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | R5193 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R4173 | 401 038 7700 | MT-GLAZE 5.6K JA 1/10W | R5194 | 401 038 9209 | MT-GLAZE 6.8K JA 1/10W |
| R4176 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | R5301 | 401 038 1807 | MT-GLAZE 27 JA 1/10W |
| R4177 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R5303 | 401 038 3702 | MT-GLAZE 33K JA 1/10W |
| R4178 | 401 037 5202 | MT-GLAZE 100 JA 1/10W | R5304 | 401 038 3702 | MT-GLAZE 33K JA 1/10W |
| R4179 | 401 037 5202 | MT-GLAZE 100 JA 1/10W | R5305 | 401 038 6307 | MT-GLAZE 470 JA 1/10W |
| R4181 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R5306 | 401 038 3702 | MT-GLAZE 33K JA 1/10W |
| R4182 | 401 037 5202 | MT-GLAZE 100 JA 1/10W | R5307 | 401 038 3702 | MT-GLAZE 33K JA 1/10W |
| R4183 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R5309 | 401 038 3702 | MT-GLAZE 33K JA 1/10W |
| R4184 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R5310 | 401 037 5103 | MT-GLAZE 10 JA 1/10W |
| R4185 | 401 037 5400 | MT-GLAZE 1K JA 1/10W | R5316 | 401 038 3702 | MT-GLAZE 33K JA 1/10W |
| R4186 | 401 038 0800 | MT-GLAZE 22K JA 1/10W | R5317 | 401 038 3702 | MT-GLAZE 33K JA 1/10W |
| R4187 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W | R5319 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R4198 | 401 037 5707 | MT-GLAZE 100K JA 1/10W | R5354 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R4199 | 401 038 0909 | MT-GLAZE 220K JA 1/10W | R5355 | 401 038 3405 | MT-GLAZE 33 JA 1/10W |
| R5101 | 401 037 5707 | MT-GLAZE 100K JA 1/10W | R5391 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R5102 | 401 037 5707 | MT-GLAZE 100K JA 1/10W | R5396 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R5103 | 401 037 5707 | MT-GLAZE 100K JA 1/10W | R6041 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R5106 | 401 038 3603 | MT-GLAZE 3.3K JA 1/10W | R6051 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R5107 | 401 038 3603 | MT-GLAZE 3.3K JA 1/10W | R6052 | 401 036 1205 | MT-GLAZE 22 JA 1/8W |
| R5110 | 401 038 0800 | MT-GLAZE 22K JA 1/10W | R6053 | 401 036 1205 | MT-GLAZE 22 JA 1/8W |
| R5111 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R6061 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R5112 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R6062 | 401 036 1205 | MT-GLAZE 22 JA 1/8W |
| R5113 | 401 037 5202 | MT-GLAZE 100 JA 1/10W | R6063 | 401 036 1205 | MT-GLAZE 22 JA 1/8W |
| R5114 | 401 037 5202 | MT-GLAZE 100 JA 1/10W | R6081 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R5115 | 401 037 5707 | MT-GLAZE 100K JA 1/10W | R6082 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R5116 | 401 037 5707 | MT-GLAZE 100K JA 1/10W | R6083 | 401 038 3504 | MT-GLAZE 330 JA 1/10W |
| R5117 | 401 037 5707 | MT-GLAZE 100K JA 1/10W | | | |
| R5120 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | | | |
| R5122 | 401 038 0800 | MT-GLAZE 22K JA 1/10W | | | |
| R5126 | 401 037 9200 | MT-GLAZE 1.8K JA 1/10W | | | |
| R5127 | 401 038 0602 | MT-GLAZE 220 JA 1/10W | | | |
| R5128 | 401 038 0602 | MT-GLAZE 220 JA 1/10W | | | |
| R5129 | 401 038 5003 | MT-GLAZE 390 JA 1/10W | | | |
| R5131 | 401 037 5707 | MT-GLAZE 100K JA 1/10W | | | |
| R5132 | 401 037 7909 | MT-GLAZE 1.5K JA 1/10W | | | |
| R5133 | 401 037 9200 | MT-GLAZE 1.8K JA 1/10W | | | |
| R5136 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W | | | |
| R5137 | 401 038 6406 | MT-GLAZE 4.7K JA 1/10W | | | |
| R5141 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | | | |
| R5142 | 401 038 7700 | MT-GLAZE 5.6K JA 1/10W | | | |
| R5143 | 401 037 5202 | MT-GLAZE 100 JA 1/10W | | | |
| R5144 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | | | |
| R5145 | 401 038 7700 | MT-GLAZE 5.6K JA 1/10W | | | |
| R5146 | 401 037 5202 | MT-GLAZE 100 JA 1/10W | | | |
| R5149 | 401 038 5003 | MT-GLAZE 390 JA 1/10W | | | |
| R5151 | 401 038 6208 | MT-GLAZE 47 JA 1/10W | | | |
| R5152 | 401 038 9001 | MT-GLAZE 680 JA 1/10W | | | |
| R5153 | 401 038 6208 | MT-GLAZE 47 JA 1/10W | | | |
| R5154 | 401 038 9001 | MT-GLAZE 680 JA 1/10W | | | |
| R5156 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | | | |
| R5157 | 401 038 7700 | MT-GLAZE 5.6K JA 1/10W | | | |
| R5158 | 401 038 6307 | MT-GLAZE 470 JA 1/10W | | | |
| R5161 | 401 038 6604 | MT-GLAZE 470K JA 1/10W | | | |
| R5162 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | | | |
| R5163 | 401 038 6604 | MT-GLAZE 470K JA 1/10W | | | |
| R5164 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | | | |

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|-------|--------------|------------------------|
| L2121 | 645 002 3910 | FILTER,EMI 100MHZ |
| L2122 | 645 002 3910 | FILTER,EMI 100MHZ |
| L2123 | 645 002 3910 | FILTER,EMI 100MHZ |
| L2191 | 401 035 4108 | MT-GLAZE 0.000 ZA 1/8W |
| L2851 | 401 035 4108 | MT-GLAZE 0.000 ZA 1/8W |
| L4101 | 645 025 0637 | FILTER,EMI 190PF |
| L4102 | 645 025 0637 | FILTER,EMI 190PF |
| L4111 | 645 025 0637 | FILTER,EMI 190PF |
| L4112 | 645 025 0637 | FILTER,EMI 190PF |
| L4121 | 645 014 2659 | FILTER,EMI 10MHZ |
| L4122 | 645 014 2659 | FILTER,EMI 10MHZ |
| L5161 | 645 014 2659 | FILTER,EMI 10MHZ |
| L5162 | 645 014 2659 | FILTER,EMI 10MHZ |
| L5173 | 645 014 2659 | FILTER,EMI 10MHZ |
| L5174 | 645 014 2659 | FILTER,EMI 10MHZ |
| L5181 | 645 014 2659 | FILTER,EMI 10MHZ |
| L5182 | 645 014 2659 | FILTER,EMI 10MHZ |
| L5301 | 645 026 0988 | INDUCTOR, 2.2U M |
| L5302 | 645 026 0988 | INDUCTOR, 2.2U M |
| L5304 | 645 026 0988 | INDUCTOR, 2.2U M |
| L5306 | 645 026 0988 | INDUCTOR, 2.2U M |
| L6001 | 645 014 2659 | FILTER,EMI 10MHZ |
| L6002 | 645 014 2659 | FILTER,EMI 10MHZ |
| L6003 | 645 014 2659 | FILTER,EMI 10MHZ |
| L6004 | 645 014 2659 | FILTER,EMI 10MHZ |
| L6005 | 645 014 2659 | FILTER,EMI 10MHZ |
| L6006 | 645 014 2659 | FILTER,EMI 10MHZ |
| L6007 | 645 014 2659 | FILTER,EMI 10MHZ |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|--------------|--------------|-------------------------|----------------------|--------------|---------------------------|
| L6008 | 645 014 2659 | FILTER,EMI 10MHZ | D5164 | 407 209 1201 | ZD UDZS-TE-176.2B |
| L6009 | 645 014 2659 | FILTER,EMI 10MHZ | D5171 | 407 209 1201 | ZD UDZS-TE-176.2B |
| L6011 | 645 014 2659 | FILTER,EMI 10MHZ | D5172 | 407 209 1201 | ZD UDZS-TE-176.2B |
| L6021 | 645 014 2659 | FILTER,EMI 10MHZ | D5173 | 407 209 1201 | ZD UDZS-TE-176.2B |
| L6022 | 645 014 2659 | FILTER,EMI 10MHZ | D5174 | 407 209 1201 | ZD UDZS-TE-176.2B |
| L6023 | 645 014 2659 | FILTER,EMI 10MHZ | D5181 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L6024 | 645 014 2659 | FILTER,EMI 10MHZ | D5182 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L6025 | 645 014 2659 | FILTER,EMI 10MHZ | D5183 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L6026 | 645 014 2659 | FILTER,EMI 10MHZ | D5184 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L6027 | 645 014 2659 | FILTER,EMI 10MHZ | D5312 | 407 149 0807 | DIODE 1SS355-TE-17 |
| L6028 | 645 014 2659 | FILTER,EMI 10MHZ | D5390 | 407 209 1201 | ZD UDZS-TE-176.2B |
| L6029 | 645 014 2659 | FILTER,EMI 10MHZ | D6000 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L6031 | 645 014 2659 | FILTER,EMI 10MHZ | D6001 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L6041 | 645 014 2659 | FILTER,EMI 10MHZ | D6002 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L6051 | 645 014 2659 | FILTER,EMI 10MHZ | D6003 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L6061 | 645 014 2659 | FILTER,EMI 10MHZ | D6004 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L6081 | 645 014 2659 | FILTER,EMI 10MHZ | D6005 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L6082 | 645 014 2659 | FILTER,EMI 10MHZ | D6006 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| DIODE | | | D6007 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D2101 | 407 209 1201 | ZD UDZS-TE-176.2B | D6008 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D2102 | 407 209 1201 | ZD UDZS-TE-176.2B | D6009 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D2103 | 407 209 1201 | ZD UDZS-TE-176.2B | D6011 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D2104 | 407 209 1201 | ZD UDZS-TE-176.2B | D6020 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D2105 | 407 209 1201 | ZD UDZS-TE-176.2B | D6021 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D2106 | 407 209 1201 | ZD UDZS-TE-176.2B | D6022 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D2111 | 407 209 1201 | ZD UDZS-TE-176.2B | D6023 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D2112 | 407 209 1201 | ZD UDZS-TE-176.2B | D6024 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D2113 | 407 209 1201 | ZD UDZS-TE-176.2B | D6025 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D2114 | 407 209 1201 | ZD UDZS-TE-176.2B | D6026 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D2115 | 407 209 1201 | ZD UDZS-TE-176.2B | D6027 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D2116 | 407 209 1201 | ZD UDZS-TE-176.2B | D6028 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D2121 | 407 209 1201 | ZD UDZS-TE-176.2B | D6029 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D2122 | 407 209 1201 | ZD UDZS-TE-176.2B | D6031 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D2123 | 407 209 1201 | ZD UDZS-TE-176.2B | D6041 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D2131 | 407 149 0807 | DIODE 1SS355-TE-17 | D6042 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D2132 | 407 149 0807 | DIODE 1SS355-TE-17 | D6043 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D2133 | 407 149 0807 | DIODE 1SS355-TE-17 | D6044 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D2146 | 407 149 0807 | DIODE 1SS355-TE-17 | D6051 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D2147 | 407 149 0807 | DIODE 1SS355-TE-17 | D6052 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D2148 | 407 149 0807 | DIODE 1SS355-TE-17 | D6053 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D2801 | 407 206 6308 | ZD UDZS-TE-175.1B | D6054 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D2851 | 407 206 6308 | ZD UDZS-TE-175.1B | D6055 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D4101 | 407 209 1201 | ZD UDZS-TE-176.2B | D6056 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D4102 | 407 209 1201 | ZD UDZS-TE-176.2B | D6061 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D4111 | 407 209 1201 | ZD UDZS-TE-176.2B | D6062 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D4112 | 407 209 1201 | ZD UDZS-TE-176.2B | D6063 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D4121 | 407 209 1201 | ZD UDZS-TE-176.2B | D6064 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D4122 | 407 209 1201 | ZD UDZS-TE-176.2B | D6065 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D4131 | 407 149 0807 | DIODE 1SS355-TE-17 | D6066 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D4132 | 407 149 0807 | DIODE 1SS355-TE-17 | D6081 | 407 209 1201 | ZD UDZS-TE-176.2B |
| D4191 | 407 149 0807 | DIODE 1SS355-TE-17 | D6082 | 407 209 1201 | ZD UDZS-TE-176.2B |
| D4192 | 407 149 0807 | DIODE 1SS355-TE-17 | D6083 | 407 209 1201 | ZD UDZS-TE-176.2B |
| D4193 | 407 149 0807 | DIODE 1SS355-TE-17 | D6091TM | 407 099 6508 | ZENER DIODE MTZJ12A |
| D4194 | 407 149 0807 | DIODE 1SS355-TE-17 | D6092TM | 407 099 6508 | ZENER DIODE MTZJ12A |
| D4196 | 407 149 0807 | DIODE 1SS355-TE-17 | D6093TM | 407 099 6508 | ZENER DIODE MTZJ12A |
| D5101 | 407 179 1003 | ZENER DIODE UDZ15B-TE17 | D6094TM | 407 099 6508 | ZENER DIODE MTZJ12A |
| D5102 | 407 179 1003 | ZENER DIODE UDZ15B-TE17 | MISCELLANEOUS | | |
| D5103 | 407 179 1003 | ZENER DIODE UDZ15B-TE17 | △ TH4181 | 408 039 8002 | THERMISTOR NTH5G2M31B102J |
| D5115 | 407 179 1003 | ZENER DIODE UDZ15B-TE17 | IC6081 | 408 016 8803 | PC PC113 (VDE0884) |
| D5116 | 407 179 1003 | ZENER DIODE UDZ15B-TE17 | K1011 | 645 030 1919 | JACK,RCA-2 |
| D5117 | 407 179 1003 | ZENER DIODE UDZ15B-TE17 | K1012 | 645 030 1919 | JACK,RCA-2 |
| D5131 | 407 206 6308 | ZD UDZS-TE-175.1B | K1013 | 645 030 1919 | JACK,RCA-2 |
| D5132 | 407 092 9506 | DIODE SB07-03C-TB | K1014 | 645 021 1355 | SOCKET,DIN 12P |
| D5161 | 407 209 1201 | ZD UDZS-TE-176.2B | K1015 | 645 021 1355 | SOCKET,DIN 12P |
| D5162 | 407 209 1201 | ZD UDZS-TE-176.2B | K1016 | 645 027 8778 | PLUG,D-SUB 9P |
| D5163 | 407 209 1201 | ZD UDZS-TE-176.2B | K1017 | 645 028 0382 | SOCKET,USB 4P |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|--|--------------|---------------------|---------------------------|--------------|---------------------|
| K1018 | 645 028 0382 | SOCKET,USB 4P | | 405 015 8902 | TR 2SC2812-L7-TB |
| K1019 | 645 000 2571 | JACK,PHONE D8.0 | Q5062 | 405 014 4509 | TR 2SC2412K T146 R |
| K21A | 645 009 8093 | SOCKET,D-SUB 15P | | 405 014 4608 | TR 2SC2412K T146 S |
| K21B | 645 036 5201 | SOCKET,ENC 5P | | 405 015 8704 | TR 2SC2812-L6-TB |
| K21BA | 645 009 8390 | PLUG,ANT 2P | | 405 015 8902 | TR 2SC2812-L7-TB |
| K21C | 645 009 8093 | SOCKET,D-SUB 15P | Q5063 | 405 014 4509 | TR 2SC2412K T146 R |
| K21D | 645 005 8387 | PLUG,6P | | 405 014 4608 | TR 2SC2412K T146 S |
| K21E | 645 008 3341 | PLUG,10P | | 405 015 8704 | TR 2SC2812-L6-TB |
| K21F | 645 008 3341 | PLUG,10P | | 405 015 8902 | TR 2SC2812-L7-TB |
| K21GA | 645 009 8390 | PLUG,ANT 2P | Q5064 | 405 014 4509 | TR 2SC2412K T146 R |
| K21RA | 645 009 8390 | PLUG,ANT 2P | | 405 014 4608 | TR 2SC2412K T146 S |
| K28G | 645 036 1326 | TERMINAL | | 405 015 8704 | TR 2SC2812-L6-TB |
| K28P | 645 008 3365 | PLUG,12P | | 405 015 8902 | TR 2SC2812-L7-TB |
| K28Q | 645 008 3372 | PLUG,13P | | | |
| K53A | 645 024 7750 | SOCKET,FPC 36P | INTEGRATED CIRCUIT | | |
| K53B | 645 024 7750 | SOCKET,FPC 36P | IC3001 | 409 051 2702 | IC TC4052BF-TP1 |
| K53C | 645 035 5288 | SOCKET,MIN,SCSI 20P | IC3021 | 409 211 7301 | IC MC14053BFL |
| X2801 | 645 021 1218 | OSC,CERAMIC 8.00MHZ | | 409 051 2900 | IC TC4053BF-TP1 |
| | 645 037 5187 | OSC,CERAMIC 8.00MHZ | IC3041 | 409 390 6201 | IC EL2244CS |
| X2802 | 645 021 1218 | OSC,CERAMIC 8.00MHZ | IC3061 | 409 390 6201 | IC EL2244CS |
| | 645 037 5187 | OSC,CERAMIC 8.00MHZ | IC3081 | 409 390 6201 | IC EL2244CS |
| X2851 | 645 021 1218 | OSC,CERAMIC 8.00MHZ | IC5001 | 409 211 7301 | IC MC14053BFL |
| | 645 037 5187 | OSC,CERAMIC 8.00MHZ | | 409 051 2900 | IC TC4053BF-TP1 |
| X2852 | 645 021 1218 | OSC,CERAMIC 8.00MHZ | CAPACITOR | | |
| | 645 037 5187 | OSC,CERAMIC 8.00MHZ | C1013 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| X2871 | 645 024 8566 | OSC,CERAMIC 6.00MHZ | C1033 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| | 645 037 5217 | OSC,CERAMIC 6.00MHZ | C1063 | 403 069 9500 | CERAMIC 0.01U Z 50V |
| 610 281 5412ASSY,PWB,AVJACK-M6VAA 1AA0B10C2370B | | | C3001 | 403 175 3300 | ELECT 47U M 16V |
| TRANSISTOR | | | C3002 | 403 175 3300 | ELECT 47U M 16V |
| Q3011 | 405 014 4509 | TR 2SC2412K T146 R | C3003 | 403 175 3300 | ELECT 47U M 16V |
| | 405 014 4608 | TR 2SC2412K T146 S | C3004 | 403 175 3300 | ELECT 47U M 16V |
| | 405 015 8704 | TR 2SC2812-L6-TB | C3005 | 403 175 3300 | ELECT 47U M 16V |
| | 405 015 8902 | TR 2SC2812-L7-TB | C3006 | 403 314 5905 | CERAMIC 0.47U K 16V |
| Q3012 | 405 014 4509 | TR 2SC2412K T146 R | C3007 | 403 175 3300 | ELECT 47U M 16V |
| | 405 014 4608 | TR 2SC2412K T146 S | C3008 | 403 314 5905 | CERAMIC 0.47U K 16V |
| | 405 015 8704 | TR 2SC2812-L6-TB | C3016 | 403 175 3300 | ELECT 47U M 16V |
| | 405 015 8902 | TR 2SC2812-L7-TB | C3017 | 403 192 5905 | CERAMIC 0.1U K 25V |
| Q3031 | 405 014 4509 | TR 2SC2412K T146 R | C3018 | 403 192 5905 | CERAMIC 0.1U K 25V |
| | 405 014 4608 | TR 2SC2412K T146 S | C3019 | 403 323 8805 | CERAMIC 2.2U Z 16V |
| | 405 015 8704 | TR 2SC2812-L6-TB | | 403 255 7907 | CERAMIC 2.2U Z 16V |
| | 405 015 8902 | TR 2SC2812-L7-TB | C3023 | 403 175 3300 | ELECT 47U M 16V |
| Q3091 | 405 035 1105 | TR FMW1-T98 | C3025 | 403 175 3300 | ELECT 47U M 16V |
| Q3092 | 405 035 1105 | TR FMW1-T98 | C3039 | 403 323 8805 | CERAMIC 2.2U Z 16V |
| Q3093 | 405 014 4509 | TR 2SC2412K T146 R | | 403 255 7907 | CERAMIC 2.2U Z 16V |
| | 405 014 4608 | TR 2SC2412K T146 S | C3041 | 403 280 1604 | ELECT 220U M 16V |
| | 405 015 8704 | TR 2SC2812-L6-TB | C3044 | 403 008 7406 | CERAMIC 10P D 50V |
| | 405 015 8902 | TR 2SC2812-L7-TB | C3046 | 403 266 8207 | NP-ELECT 10U M 16V |
| Q5056 | 405 014 4509 | TR 2SC2412K T146 R | C3048 | 403 162 4709 | ELECT 10U M 16V |
| | 405 014 4608 | TR 2SC2412K T146 S | C3049 | 403 192 5905 | CERAMIC 0.1U K 25V |
| | 405 015 8704 | TR 2SC2812-L6-TB | C3051 | 403 280 1604 | ELECT 220U M 16V |
| | 405 015 8902 | TR 2SC2812-L7-TB | C3054 | 403 008 7406 | CERAMIC 10P D 50V |
| Q5057 | 405 014 4509 | TR 2SC2412K T146 R | C3056 | 403 266 8207 | NP-ELECT 10U M 16V |
| | 405 014 4608 | TR 2SC2412K T146 S | C3061 | 403 280 1604 | ELECT 220U M 16V |
| | 405 015 8704 | TR 2SC2812-L6-TB | C3064 | 403 008 7406 | CERAMIC 10P D 50V |
| | 405 015 8902 | TR 2SC2812-L7-TB | C3066 | 403 266 8207 | NP-ELECT 10U M 16V |
| Q5058 | 405 014 4509 | TR 2SC2412K T146 R | C3071 | 403 280 1604 | ELECT 220U M 16V |
| | 405 014 4608 | TR 2SC2412K T146 S | C3073 | 403 314 5905 | CERAMIC 0.47U K 16V |
| | 405 015 8704 | TR 2SC2812-L6-TB | C3074 | 403 008 7406 | CERAMIC 10P D 50V |
| | 405 015 8902 | TR 2SC2812-L7-TB | C3076 | 403 266 8207 | NP-ELECT 10U M 16V |
| Q5061 | 405 014 4509 | TR 2SC2412K T146 R | C3084 | 403 008 7406 | CERAMIC 10P D 50V |
| | 405 014 4608 | TR 2SC2412K T146 S | C3086 | 403 266 8207 | NP-ELECT 10U M 16V |
| | 405 015 8704 | TR 2SC2812-L6-TB | C5001 | 403 205 7803 | TA-SOLID 2.2U M 16V |
| | | | C5002 | 403 205 7803 | TA-SOLID 2.2U M 16V |
| | | | C5003 | 403 205 7803 | TA-SOLID 2.2U M 16V |
| | | | C5004 | 403 205 7803 | TA-SOLID 2.2U M 16V |
| | | | C5006 | 403 323 8805 | CERAMIC 2.2U Z 16V |
| | | | | 403 255 7907 | CERAMIC 2.2U Z 16V |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|-----------------|--------------|-------------------------|----------|--------------|-------------------------|
| C5012 | 403 229 3508 | ELECT 100U M 16V | R3028 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| C5013 | 403 314 5905 | CERAMIC 0.47U K 16V | R3029 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| C5014 | 403 314 5905 | CERAMIC 0.47U K 16V | R3031 | 401 038 9001 | MT-GLAZE 680 JA 1/10W |
| C5051 | 403 162 4709 | ELECT 10U M 16V | R3032 | 401 038 9001 | MT-GLAZE 680 JA 1/10W |
| C5052 | 403 162 4709 | ELECT 10U M 16V | R3033 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| RESISTOR | | | R3036 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| RB5001 | 645 025 5397 | R-NETWORK 100KX4 1/16W | R3037 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| | 645 026 8021 | R-NETWORK 100KX4 1/16W | R3044 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R1001 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R3045 | 401 039 0908 | MT-GLAZE 910 JA 1/10W |
| R1002 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R3046 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R1003 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R3047 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R1004 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R3054 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R1005 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R3055 | 401 039 0908 | MT-GLAZE 910 JA 1/10W |
| R1006 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R3056 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R1011 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R3057 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R1012 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R3064 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R1013 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R3065 | 401 039 0908 | MT-GLAZE 910 JA 1/10W |
| R1014 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R3066 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R1015 | 401 037 5202 | MT-GLAZE 100 JA 1/10W | R3067 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R1021 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R3074 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R1022 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R3075 | 401 039 0908 | MT-GLAZE 910 JA 1/10W |
| R1023 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R3076 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R1024 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R3077 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R1025 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R3084 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R1026 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R3085 | 401 039 0908 | MT-GLAZE 910 JA 1/10W |
| R1031 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R3086 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R1032 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R3087 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R1033 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R3091 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R1034 | 401 147 7707 | MT-GLAZE 150 FA 1/10W | R3092 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R1035 | 401 037 5202 | MT-GLAZE 100 JA 1/10W | R3093 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W |
| R1051 | 401 038 6604 | MT-GLAZE 470K JA 1/10W | R3094 | 401 038 7700 | MT-GLAZE 5.6K JA 1/10W |
| R1053 | 401 038 9506 | MT-GLAZE 75 JA 1/10W | R3095 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R1054 | 401 038 6604 | MT-GLAZE 470K JA 1/10W | R3097 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R1056 | 401 038 9506 | MT-GLAZE 75 JA 1/10W | R3098 | 401 037 5400 | MT-GLAZE 1K JA 1/10W |
| R1057 | 401 038 6604 | MT-GLAZE 470K JA 1/10W | R3099 | 401 038 5300 | MT-GLAZE 39K JA 1/10W |
| R1059 | 401 038 9506 | MT-GLAZE 75 JA 1/10W | R5006 | 401 038 3603 | MT-GLAZE 3.3K JA 1/10W |
| R1061 | 401 038 6604 | MT-GLAZE 470K JA 1/10W | R5007 | 401 038 3603 | MT-GLAZE 3.3K JA 1/10W |
| R1062 | 401 038 9506 | MT-GLAZE 75 JA 1/10W | R5009 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R1063 | 401 038 6604 | MT-GLAZE 470K JA 1/10W | R5013 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R1064 | 401 038 9506 | MT-GLAZE 75 JA 1/10W | R5014 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R1065 | 401 037 5202 | MT-GLAZE 100 JA 1/10W | R5015 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R3001 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R5016 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R3002 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R5017 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R3003 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R5019 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R3004 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R5041 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R3005 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R5042 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R3006 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R5043 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R3007 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R5044 | 401 038 0701 | MT-GLAZE 2.2K JA 1/10W |
| R3008 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R5051 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R3010 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | R5052 | 401 038 9001 | MT-GLAZE 680 JA 1/10W |
| R3011 | 401 038 9001 | MT-GLAZE 680 JA 1/10W | R5053 | 401 038 0800 | MT-GLAZE 22K JA 1/10W |
| R3012 | 401 038 9001 | MT-GLAZE 680 JA 1/10W | R5054 | 401 038 9001 | MT-GLAZE 680 JA 1/10W |
| R3013 | 401 038 9001 | MT-GLAZE 680 JA 1/10W | R5055 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R3014 | 401 038 9001 | MT-GLAZE 680 JA 1/10W | R5056 | 401 037 5608 | MT-GLAZE 10K JA 1/10W |
| R3015 | 401 037 5004 | MT-GLAZE 0.000 ZA 1/10W | R5057 | 401 038 7700 | MT-GLAZE 5.6K JA 1/10W |
| R3016 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R5058 | 401 038 6307 | MT-GLAZE 470 JA 1/10W |
| R3017 | 401 179 3708 | MT-GLAZE 11K FA 1/10W | R5059 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R3018 | 401 037 5202 | MT-GLAZE 100 JA 1/10W | R5061 | 401 038 6604 | MT-GLAZE 470K JA 1/10W |
| R3019 | 401 037 5202 | MT-GLAZE 100 JA 1/10W | R5062 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R3021 | 401 038 7700 | MT-GLAZE 5.6K JA 1/10W | R5063 | 401 038 6604 | MT-GLAZE 470K JA 1/10W |
| R3022 | 401 038 7700 | MT-GLAZE 5.6K JA 1/10W | R5064 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R3023 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R5071 | 401 038 6604 | MT-GLAZE 470K JA 1/10W |
| R3024 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R5072 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R3025 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R5073 | 401 038 6604 | MT-GLAZE 470K JA 1/10W |
| R3026 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R5074 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| R3027 | 401 037 5608 | MT-GLAZE 10K JA 1/10W | R5081 | 401 037 5707 | MT-GLAZE 100K JA 1/10W |
| | | | R5082 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |

Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|--------------|--------------|--------------------------|---|--------------|--------------------------|
| R5083 | 401 037 5707 | MT-GLAZE 100K JA 1/10W | D1051 | 407 209 1201 | ZD UDZS-TE-176.2B |
| R5084 | 401 037 5202 | MT-GLAZE 100 JA 1/10W | D1052 | 407 209 1201 | ZD UDZS-TE-176.2B |
| COIL | | | D1053 | 407 209 1201 | ZD UDZS-TE-176.2B |
| L1001 | 645 008 4904 | INDUCTOR, 5.6U K | D1054 | 407 209 1201 | ZD UDZS-TE-176.2B |
| L1002 | 645 002 3910 | FILTER, EMI 100MHZ | D1055 | 407 209 1201 | ZD UDZS-TE-176.2B |
| L1003 | 645 008 4904 | INDUCTOR, 5.6U K | D1056 | 407 209 1201 | ZD UDZS-TE-176.2B |
| L1004 | 645 002 3910 | FILTER, EMI 100MHZ | D1061 | 407 209 1201 | ZD UDZS-TE-176.2B |
| L1005 | 645 008 4904 | INDUCTOR, 5.6U K | D1062 | 407 209 1201 | ZD UDZS-TE-176.2B |
| L1006 | 645 002 3910 | FILTER, EMI 100MHZ | D1063 | 407 209 1201 | ZD UDZS-TE-176.2B |
| L1011 | 645 008 4904 | INDUCTOR, 5.6U K | D1064 | 407 209 1201 | ZD UDZS-TE-176.2B |
| L1012 | 645 002 3910 | FILTER, EMI 100MHZ | D1065 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L1013 | 645 008 4904 | INDUCTOR, 5.6U K | D5051 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L1014 | 645 002 3910 | FILTER, EMI 100MHZ | D5052 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L1015 | 645 014 2659 | FILTER, EMI 10MHZ | D5061 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L1021 | 645 008 4904 | INDUCTOR, 5.6U K | D5062 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L1022 | 645 002 3910 | FILTER, EMI 100MHZ | D5063 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L1023 | 645 008 4904 | INDUCTOR, 5.6U K | D5064 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L1024 | 645 002 3910 | FILTER, EMI 100MHZ | D5071 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L1025 | 645 008 4904 | INDUCTOR, 5.6U K | D5072 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L1026 | 645 002 3910 | FILTER, EMI 100MHZ | D5073 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L1031 | 645 008 4904 | INDUCTOR, 5.6U K | D5074 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L1032 | 645 002 3910 | FILTER, EMI 100MHZ | D5081 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L1033 | 645 008 4904 | INDUCTOR, 5.6U K | D5082 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L1034 | 645 002 3910 | FILTER, EMI 100MHZ | D5083 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L1035 | 645 014 2659 | FILTER, EMI 10MHZ | D5084 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| L1051 | 645 008 4904 | INDUCTOR, 5.6U K | MISCELLANEOUS | | |
| L1052 | 645 002 3910 | FILTER, EMI 100MHZ | K1001 | 645 028 0405 | SOCKET, BNC 3P |
| L1053 | 645 008 4904 | INDUCTOR, 5.6U K | K1002 | 610 010 8295 | SOCKET, DIN 4P |
| L1054 | 645 002 3910 | FILTER, EMI 100MHZ | K1003 | 645 030 1919 | JACK, RCA-2 |
| L1055 | 645 008 4904 | INDUCTOR, 5.6U K | K1004 | 645 028 0405 | SOCKET, BNC 3P |
| L1056 | 645 002 3910 | FILTER, EMI 100MHZ | K1005 | 610 010 8295 | SOCKET, DIN 4P |
| L1061 | 645 008 4904 | INDUCTOR, 5.6U K | K1006 | 645 030 1919 | JACK, RCA-2 |
| L1062 | 645 002 3910 | FILTER, EMI 100MHZ | K1007 | 645 028 0405 | SOCKET, BNC 3P |
| L1063 | 645 008 4904 | INDUCTOR, 5.6U K | K1008 | 610 010 8295 | SOCKET, DIN 4P |
| L1064 | 645 002 3910 | FILTER, EMI 100MHZ | K1009 | 645 030 1919 | JACK, RCA-2 |
| L1065 | 645 014 2659 | FILTER, EMI 10MHZ | 610 281 5429 ASSY, PWB, R/C1 M6VAA | | |
| L3001 | 401 035 4108 | MT-GLAZE 0.000 ZA 1/8W | 1AA0B10C2370C | | |
| L5061 | 645 014 2659 | FILTER, EMI 10MHZ | CAPACITOR | | |
| L5062 | 645 014 2659 | FILTER, EMI 10MHZ | C6871 | 403 316 5408 | CERAMIC 1U K 10V |
| L5071 | 645 014 2659 | FILTER, EMI 10MHZ | RESISTOR | | |
| L5072 | 645 014 2659 | FILTER, EMI 10MHZ | R6871 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| L5081 | 645 014 2659 | FILTER, EMI 10MHZ | R6872 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| L5082 | 645 014 2659 | FILTER, EMI 10MHZ | DIODE | | |
| DIODE | | | D6871 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D1001 | 407 209 1201 | ZD UDZS-TE-176.2B | MISCELLANEOUS | | |
| D1002 | 407 209 1201 | ZD UDZS-TE-176.2B | A6871 | 645 034 5029 | UNIT, REMOCON RECEIVER |
| D1003 | 407 209 1201 | ZD UDZS-TE-176.2B | 610 281 5436 ASSY, PWB, R/C2 M6VAA | | |
| D1004 | 407 209 1201 | ZD UDZS-TE-176.2B | 1AA0B10C2370D | | |
| D1005 | 407 209 1201 | ZD UDZS-TE-176.2B | CAPACITOR | | |
| D1006 | 407 209 1201 | ZD UDZS-TE-176.2B | C6881 | 403 316 5408 | CERAMIC 1U K 10V |
| D1011 | 407 209 1201 | ZD UDZS-TE-176.2B | RESISTOR | | |
| D1012 | 407 209 1201 | ZD UDZS-TE-176.2B | R6881 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| D1013 | 407 209 1201 | ZD UDZS-TE-176.2B | R6882 | 401 037 5202 | MT-GLAZE 100 JA 1/10W |
| D1014 | 407 209 1201 | ZD UDZS-TE-176.2B | DIODE | | |
| D1015 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 | D6881 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 |
| D1021 | 407 209 1201 | ZD UDZS-TE-176.2B | | | |
| D1022 | 407 209 1201 | ZD UDZS-TE-176.2B | | | |
| D1023 | 407 209 1201 | ZD UDZS-TE-176.2B | | | |
| D1024 | 407 209 1201 | ZD UDZS-TE-176.2B | | | |
| D1025 | 407 209 1201 | ZD UDZS-TE-176.2B | | | |
| D1026 | 407 209 1201 | ZD UDZS-TE-176.2B | | | |
| D1031 | 407 209 1201 | ZD UDZS-TE-176.2B | | | |
| D1032 | 407 209 1201 | ZD UDZS-TE-176.2B | | | |
| D1033 | 407 209 1201 | ZD UDZS-TE-176.2B | | | |
| D1034 | 407 209 1201 | ZD UDZS-TE-176.2B | | | |
| D1035 | 407 187 8209 | ZENER DIODE UDZ12B-TE-17 | | | |

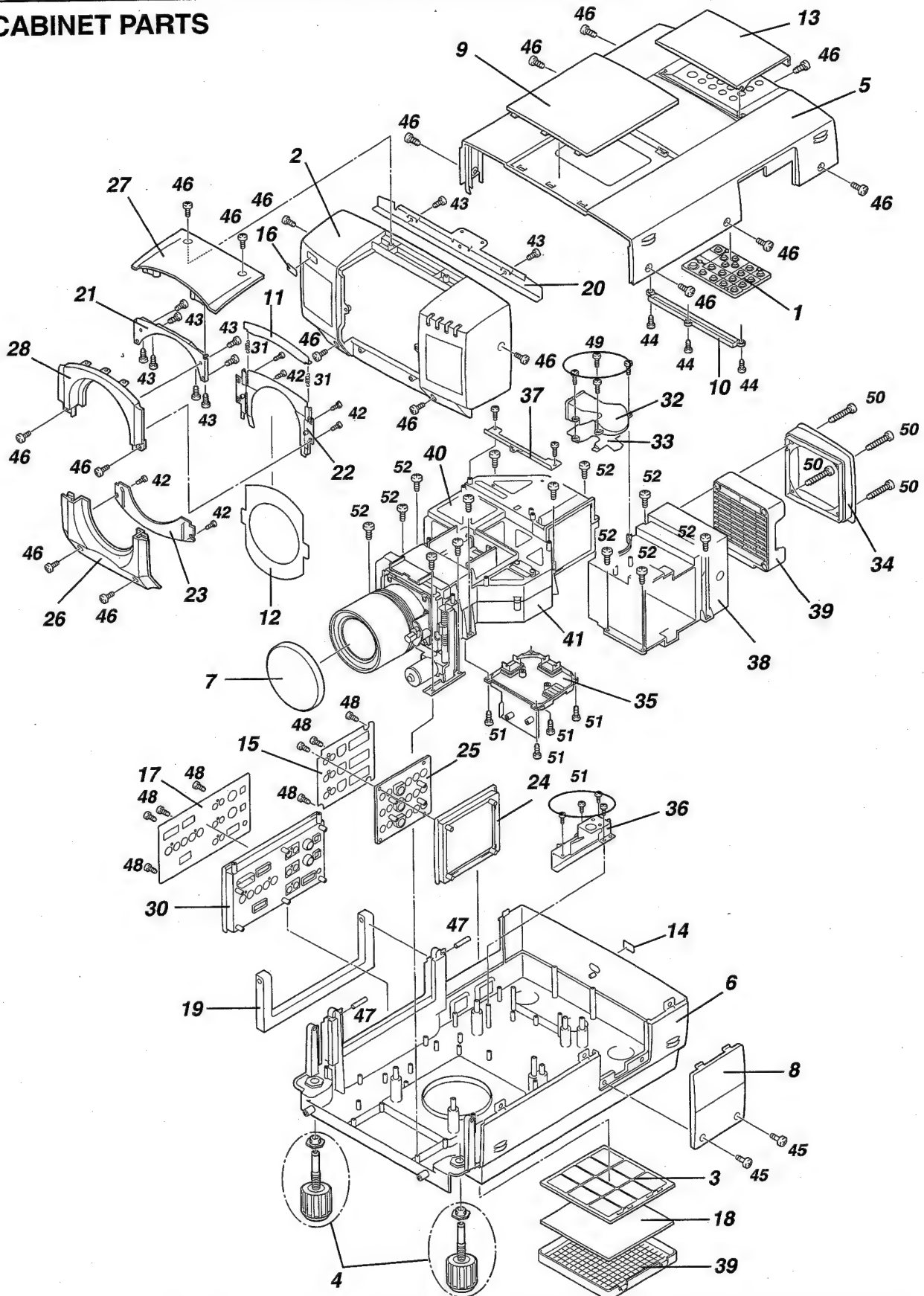
Electrical Parts List

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|----------------------|--------------|------------------------------|----------|----------|-------------|
| MISCELLANEOUS | | | | | |
| A6881 | 645 034 5029 | UNIT, REMOCON RECEIVER | | | |
| ACCESSORIES | | | | | |
| | 645 024 6326 | CABLE, INTERFACE MAC A | | | |
| OR | 645 026 6829 | CABLE, INTERFACE SVGA MAC | | | |
| OR | 645 036 6888 | CABLE, INTERFACE SVGA MAC | | | |
| | 645 024 6333 | CABLE, INTERFACE PS/2 | | | |
| OR | 645 026 6836 | CABLE, INTERFACE SVGA PS/2 | | | |
| OR | 645 036 6895 | CABLE, INTERFACE SVGA PS/2 | | | |
| | 645 025 6349 | CABLE, INTERFACE XGA SRAL | | | |
| OR | 645 026 6843 | CABLE, INTERFACE SVGA SRAL | | | |
| OR | 645 036 6901 | CABLE, INTERFACE XGA SRAL | | | |
| | 645 015 3976 | CABLE, FXAF | | | |
| OR | 610 234 0969 | CABLE | | | |
| AA9901 | 645 036 4686 | ASSY, REMOCON CXEF | | | |
| A9901C | 610 273 8667 | RC-BATTERY LID-CXDA | | | |
| AA9901 | 645 036 4716 | ASSY, REMOCON CXEF | | | |
| A9901C | 610 272 9221 | RC-BATTERY LID-CXEA | | | |
| | 610 280 7578 | OWNER'S MANUAL-PE6A | | | |
| | 610 280 7585 | OWNER'S MANUAL-PE6A-D | | | |
| | 610 280 7592 | OWNER'S MANUAL-PE6A-F | | | |
| | 610 280 7608 | OWNER'S MANUAL-PE6A-I | | | |
| | 610 280 7615 | OWNER'S MANUAL-PE6A-E | | | |
| | | (Model PLC-XF10E/PLX-XF10EL) | | | |
| | 610 280 7639 | OWNER'S MANUAL-PE6C | | | |
| | | (Model PLC-XF10B) | | | |
| | 645 012 7762 | BATTERY, ALKALI, COMPOSITE | | | |
| | 645 031 8207 | ADAPTOR, MAC/IBM | | | |
| | 610 272 3045 | COVER, DUST-M6MA | | | |
| | 645 030 6624 | CABLE, INTERFACE VGA | | | |
| AC CORD | | | | | |
| △ | 645 002 9196 | CORD, POWER-3.0MK | | | |
| | | (Model PLC-XF10E/PLX-XF10EL) | | | |
| △ | 645 003 1137 | CORD, POWER-3.0MK | | | |
| | | (Model PLC-XF10B) | | | |

■ Mechanical Parts List

Note: Parts order must contain Service Ref. No., Part No., and Descriptions.

● CABINET PARTS

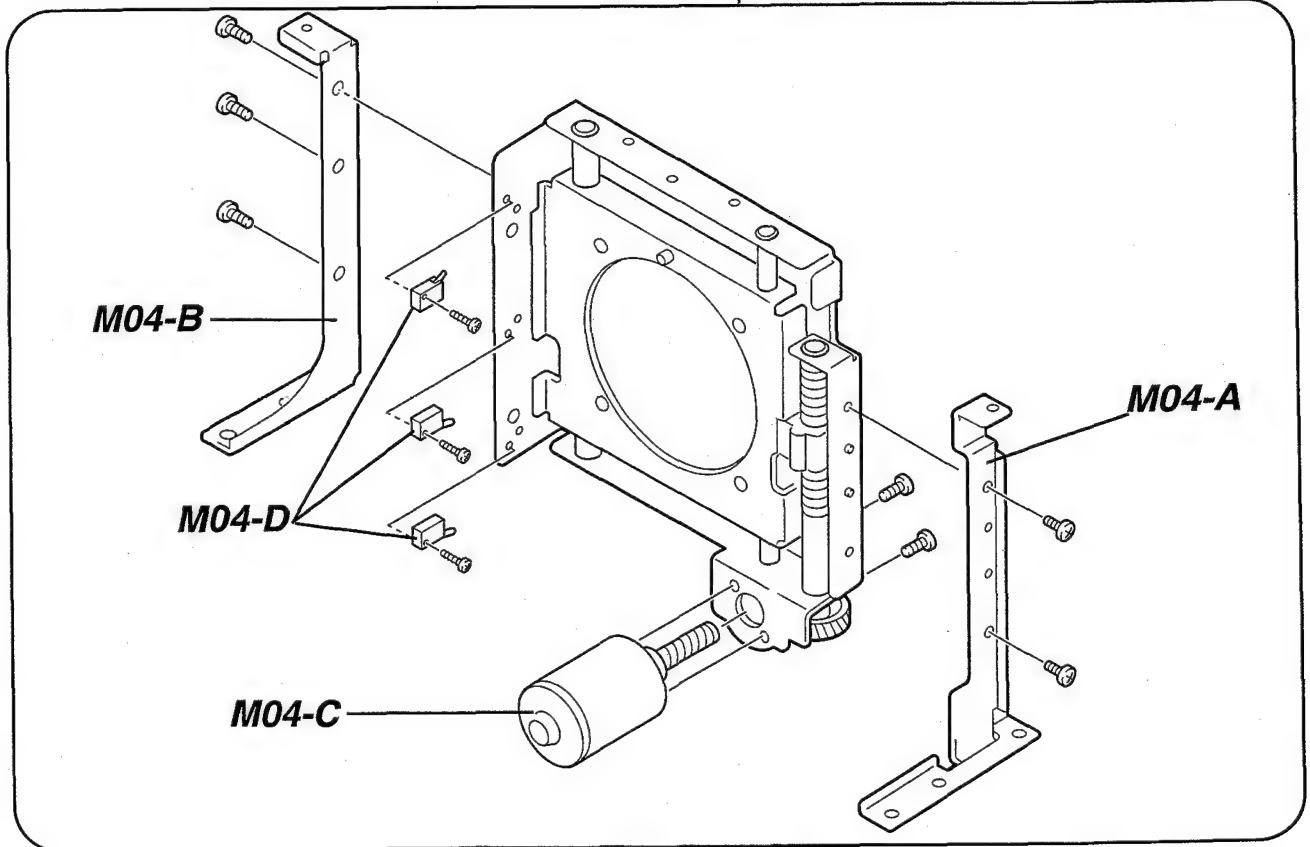
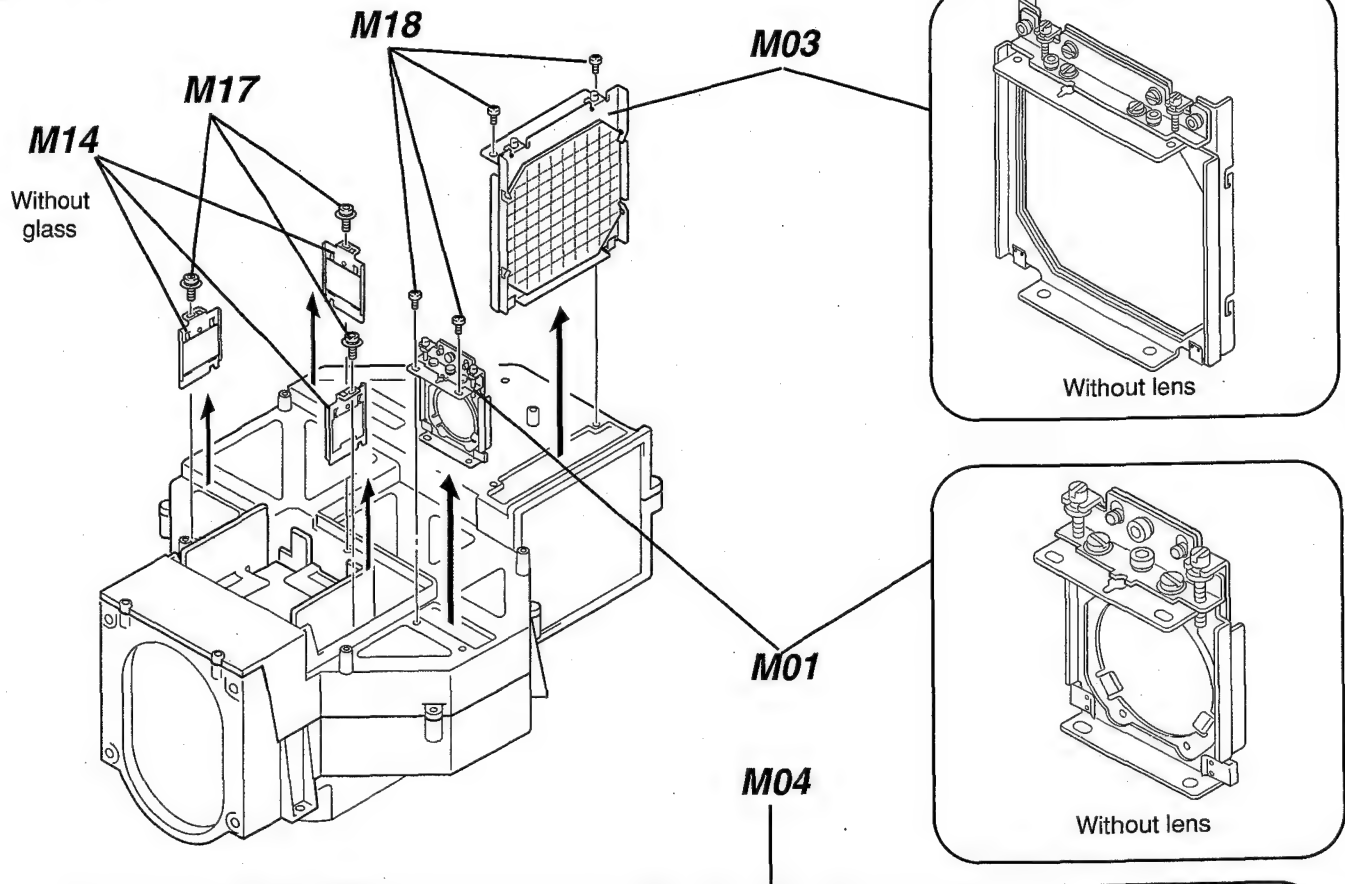


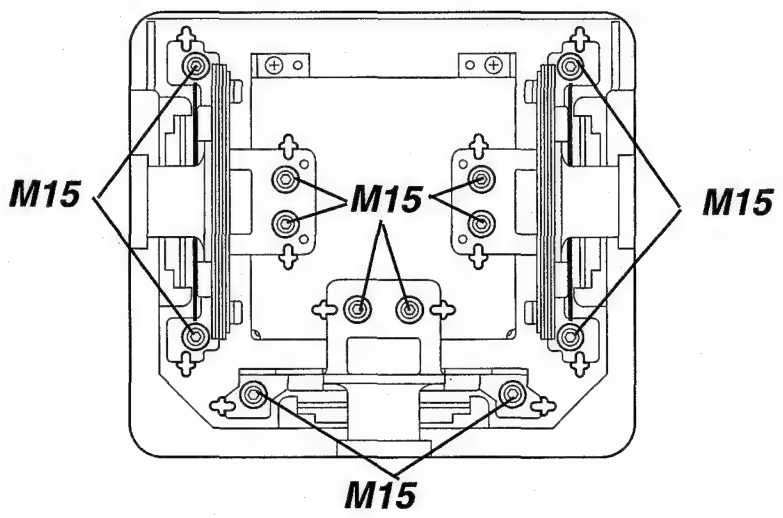
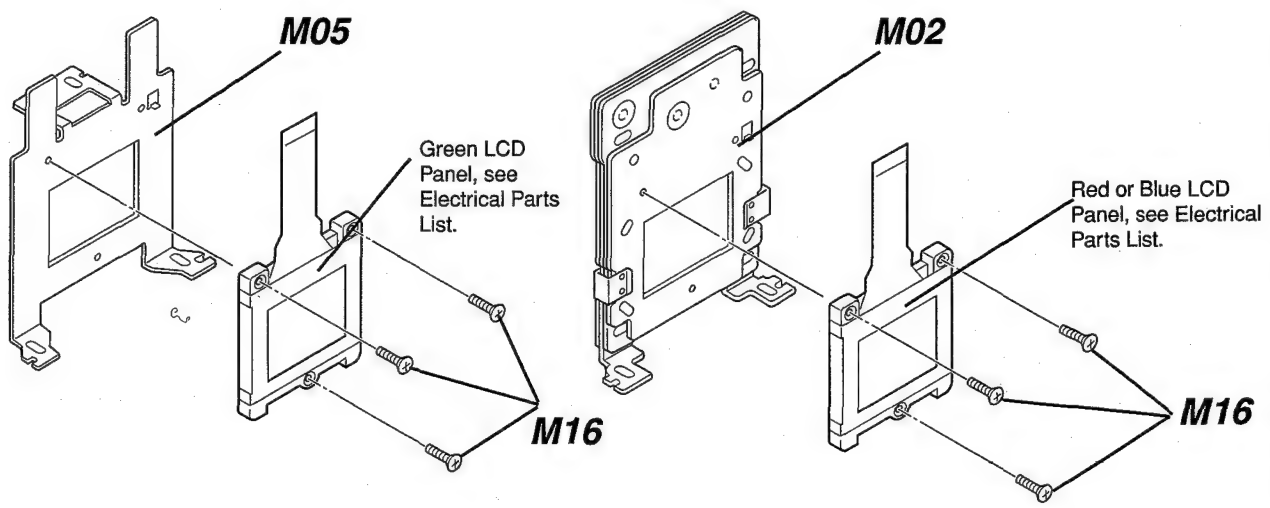
Mechanical Parts List

| Key No. | Part No. | Description | Key No. | Part No. | Description |
|----------------------|--------------|---------------------------|------------------------|--------------|-------------------------|
| CABINET PARTS | | | 32 | 610 281 6341 | COVER DUCT LAMP A-M6VAA |
| 1 | 610 272 8026 | ASSY,BUTTON-M6MA | 33 | 610 281 6358 | COVER DUCT LAMP B-M6VAA |
| 2 | 610 277 8700 | ASSY,CABINET FRT-M6VA | 34 | 610 272 1096 | COVER DUCT OUT-M6MA |
| 3 | 610 272 1416 | ASSY,FILTER-M6MA | 35 | 610 275 1567 | COVER DUCT IN -M6MG |
| 4 | 610 272 0235 | ASSY,STAND LEG-M6MA | 36 | 610 273 9978 | HOLDER SWITCH C -M6MA |
| 5 | 610 280 4249 | CABINET TOP-ME6A | 37 | 610 277 7635 | HOLDER FWB A-M6VA |
| 6 | 610 275 1536 | CABINET BOTTOM-M6MG | 38 | 610 281 3661 | HOLDER COVER LAMP-M6VAA |
| * 7 | 610 277 8755 | CAP LENS A-M6VA | 39 | 610 278 5326 | SHIELD LIGHT-M6VA |
| 8 | 610 275 5374 | COVER,LAMP-M6MG | 40 | 610 279 2966 | OPTICAL BASE TOP-M6VA |
| 9 | 610 272 2109 | COVER TOP A-M6MA | 41 | 610 279 2973 | OPTICAL BASE BTM-M6VA |
| 10 | 610 272 9733 | COVER TOP B-M6MA | SCREWS-CABINET- | | |
| 11 | 610 274 6181 | COVER LENS B-M6MGL | 42 | 411 025 6500 | SCR S-TPG BIN 3X8 |
| * 12 | 610 280 3648 | COVER LENS C-M6VA | 43 | 411 025 7200 | SCR S-TPG BIN 4X8 |
| 13 | 610 272 0280 | DOOR-M6MA | 44 | 412 018 8402 | SCR P-TAP FLG 3X10E |
| 14 | 610 263 6208 | DEC FRONT SHEET-M6FA | 45 | 412 057 9101 | SPECIAL SCREW |
| 15 | 610 272 1126 | DEC AV SHEET A-M6MA | 46 | 411 102 2203 | SCR BIN 4X8 |
| 16 | 610 274 8765 | DEC FRONT SHEET-M6MGL | 47 | 411 175 5408 | PIN PARALLEL 5X25 |
| 17 | 610 277 7611 | DEC COMP SHEET A-M6VA | 48 | 411 078 9602 | SCR TPG PAN 3X10 |
| 18 | 610 272 1157 | FILTER NET A-M6MA | 49 | 411 001 9006 | SCR BIN 3X8 |
| 19 | 610 271 9987 | HANDLE-M6MA | 50 | 411 174 9902 | SCR S-TPG BIN 4X50 |
| 20 | 610 274 6327 | MOUNTING PNL A-M6MGL | 51 | 411 025 5206 | SCR S-TPG BIN 3X10 |
| 21 | 610 274 8826 | MOUNTING PNL B-M6MGL | 52 | 411 147 4408 | SCR S-TPG BIN 4X12 |
| 22 | 610 274 6334 | MOUNTING COVER LENS-M6MGL | | | |
| 23 | 610 275 0058 | MOUNTING COVER LENS B-M6M | | | |
| 24 | 610 272 0358 | PANEL AV A-M6MA | | | |
| 25 | 610 272 1195 | PANEL AV B-M6MA | | | |
| 26 | 610 274 6358 | PANEL FRONT BTM-M6MGL | | | |
| 27 | 610 274 6365 | PANEL FRONT TOP-M6MGL | | | |
| 28 | 610 274 8895 | PANEL FRONT MID-M6MGL | | | |
| 29 | 610 275 7866 | PANEL FILTER-M6MG | | | |
| 30 | 610 277 7659 | PANEL COMP A-M6VA | | | |
| 31 | 610 272 9238 | SPRING COIL-M6MA | | | |

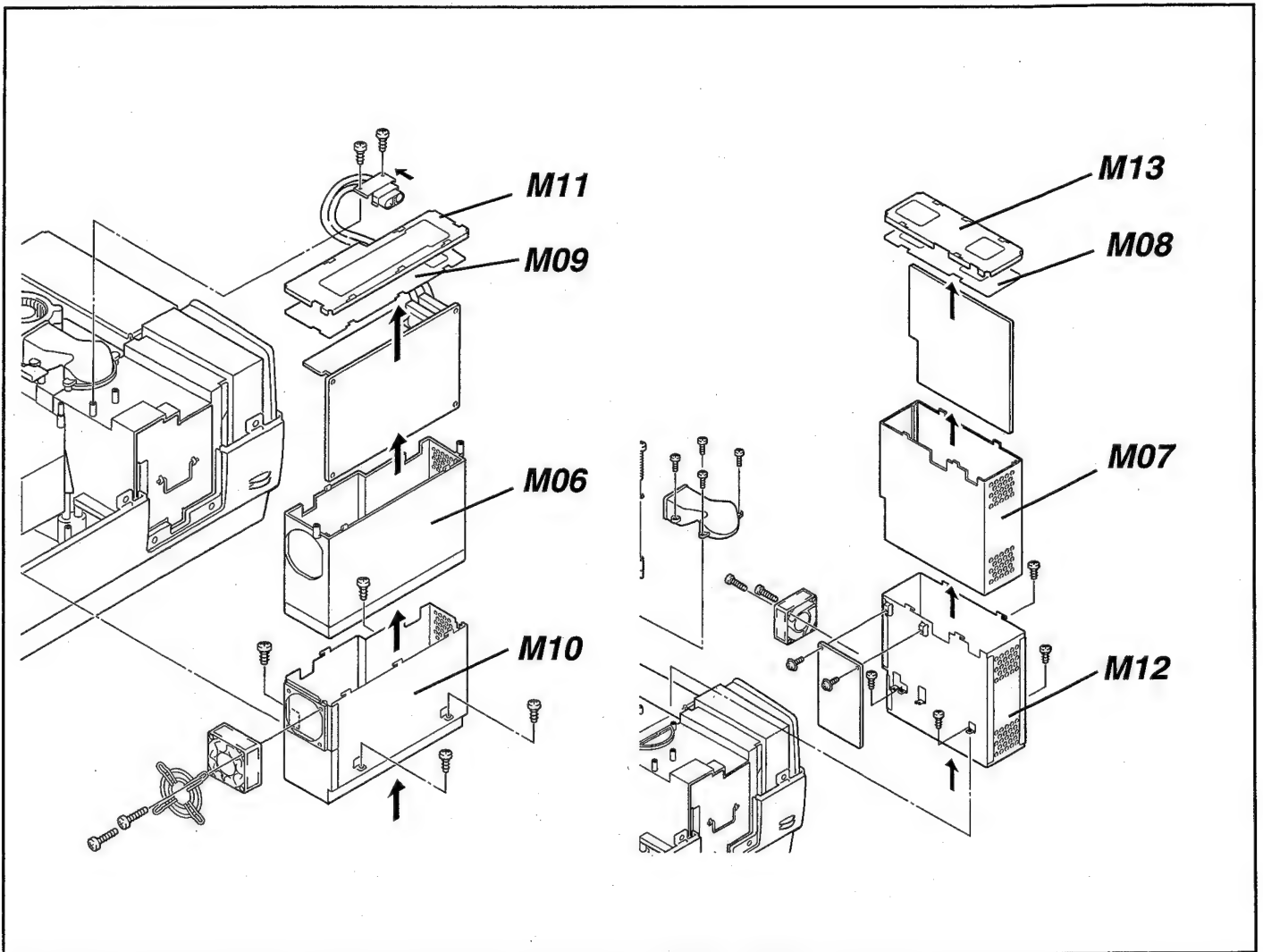
*) These service codes are for Model PLC-XF10E/B only.

● CHASSIS PARTS





Mechanical Parts List

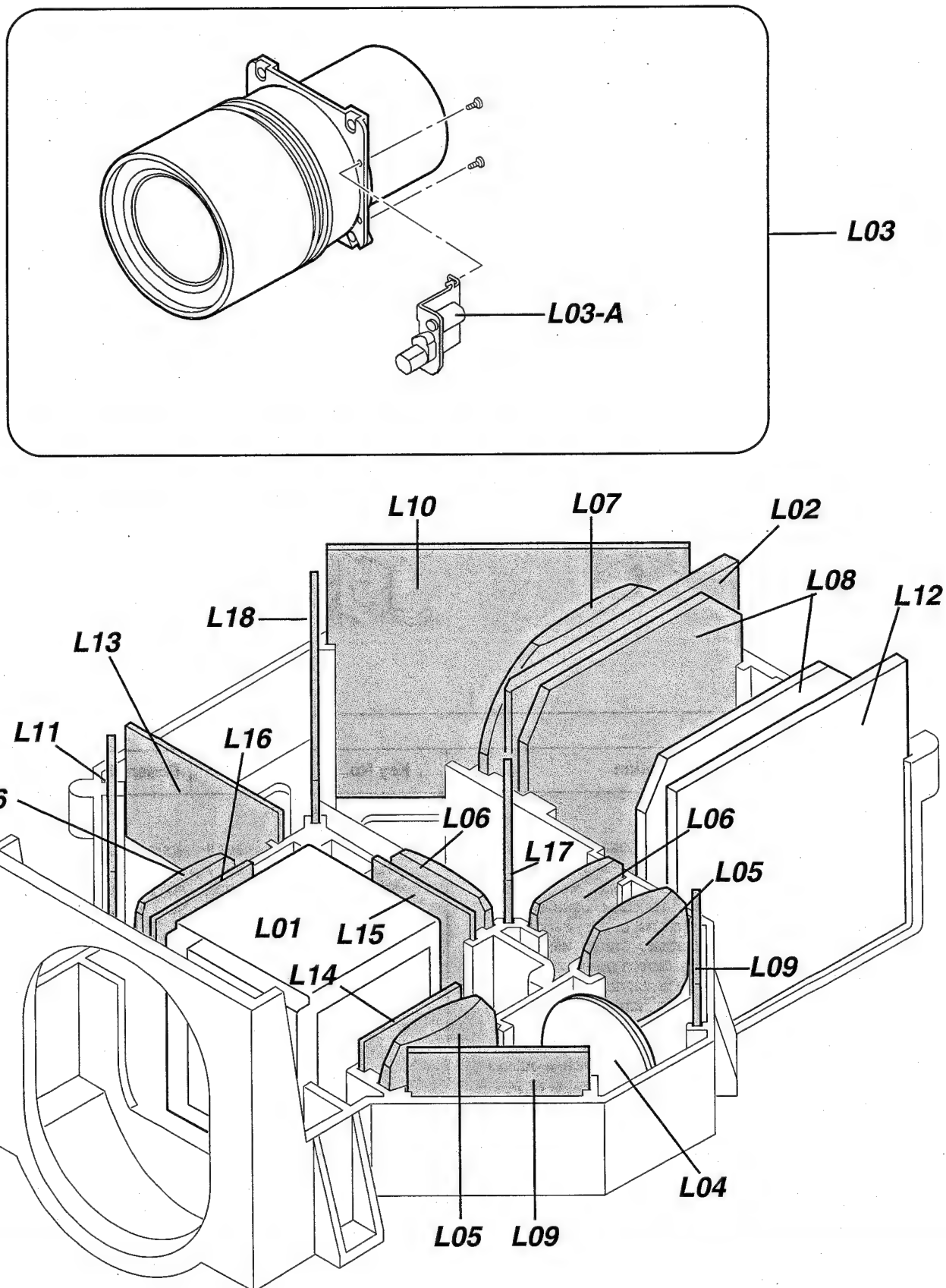


| Key No. | Part No. | Description | Key No. | Part No. | Description |
|----------------------|--------------|-------------------------|------------------------|--------------|-------------------------|
| CHASSIS PARTS | | | SCREWS-CHASSIS- | | |
| M01 | 610 270 3245 | COMPL,HOLDER REL C-M6MA | M15 | 411 174 9308 | BOLT HEX-SCT+SW+W 2.5X6 |
| M02 | 610 277 9387 | COMPL,HOLDER LCD E-M6VA | M16 | 411 052 1509 | SCR OVL 2X6 |
| M03 | 610 270 5386 | COMPL,HOLDER INT A-M6MA | M17 | 411 178 2909 | BOLT HEX-SCT+SW+W 3X6 |
| M04 | 610 275 1505 | COMPL,HOLDER LENS-M6MG | M18 | 411 001 8702 | SCR BIN 3X6 |
| M04-A | 610 275 9723 | MOUNTING CHS B-M6MG | | | |
| M04-B | 610 275 9730 | MOUNTING CHS C-M6MG | | | |
| M04-C | 645 032 5397 | ASSY,MOTOR (M6MG) | | | |
| M04-D | 645 012 2422 | SWITCH,LEVER | | | |
| M05 | 610 277 9479 | HOLDER LCD E-M6VA | | | |
| M06 | 610 272 1164 | HOLDER LAMP PWB-M6MA | | | |
| M07 | 610 272 1171 | HOLDER POWER PWB-M6MA | | | |
| M08 | 610 280 4546 | SPACER POWER PWB A-ME6A | | | |
| M09 | 610 280 4560 | SPACER LAMP PWB B-ME6A | | | |
| M10 | 610 272 1232 | SHIELD BOX LAMP-A-M6MA | | | |
| M11 | 610 281 1490 | SHIELD BOX LAMP-B-M6VA | | | |
| M12 | 610 272 1256 | SHIELD BOX POW-A-M6MA | | | |
| M13 | 610 272 1263 | SHIELD BOX POW-B-M6MA | | | |
| M14 | 610 279 2959 | STOPPER FLT-M6VA | | | |

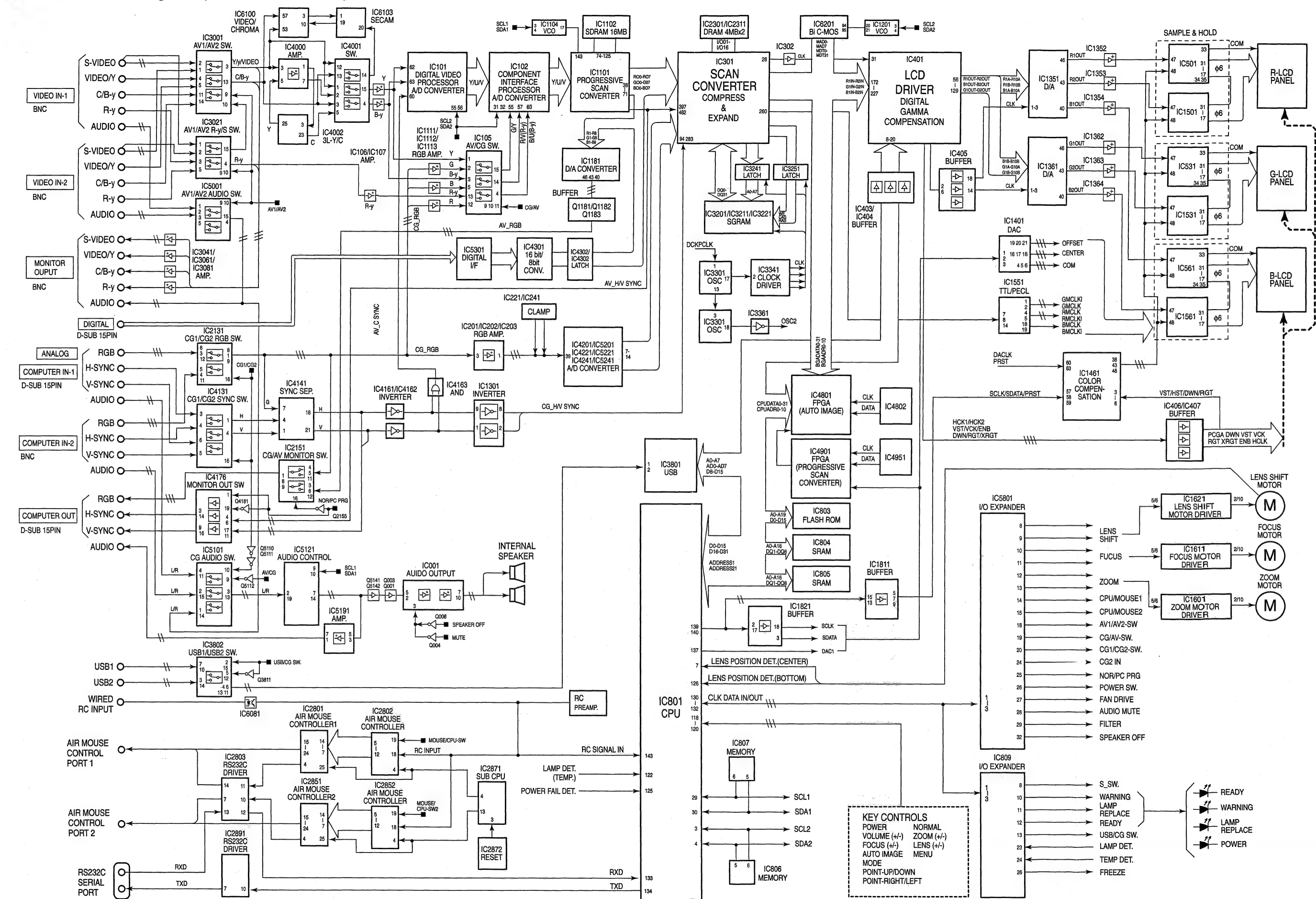
■ Optical Parts List

Note: Parts order must contain Service Ref. No., Part No., and Descriptions.

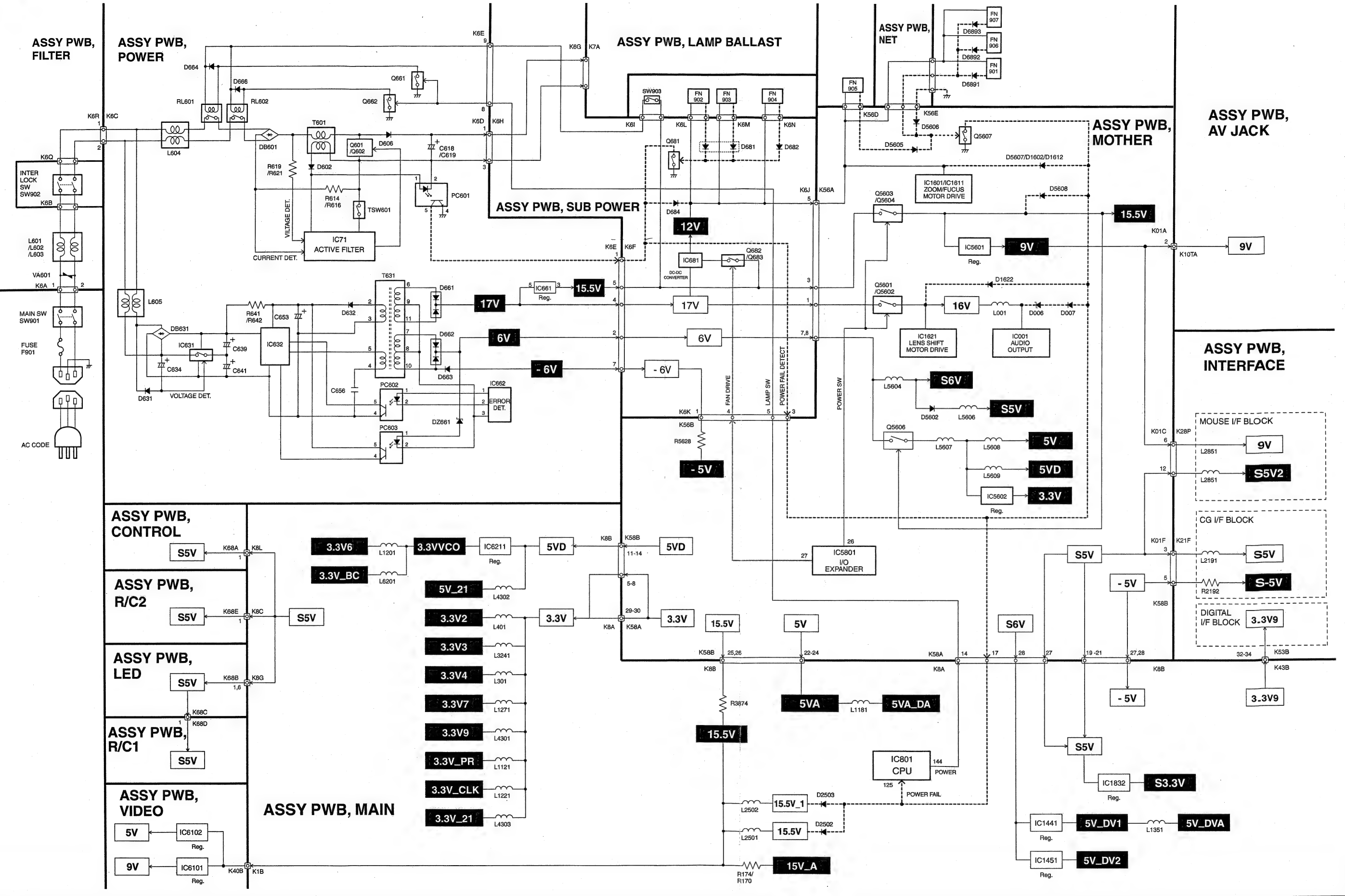
● OPTICAL PARTS



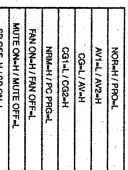
■ Circuit Block Diagram (PLC-XF10E/EL/B)



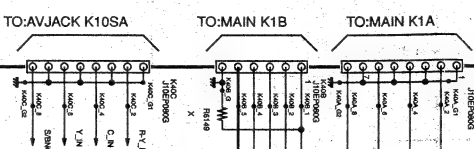
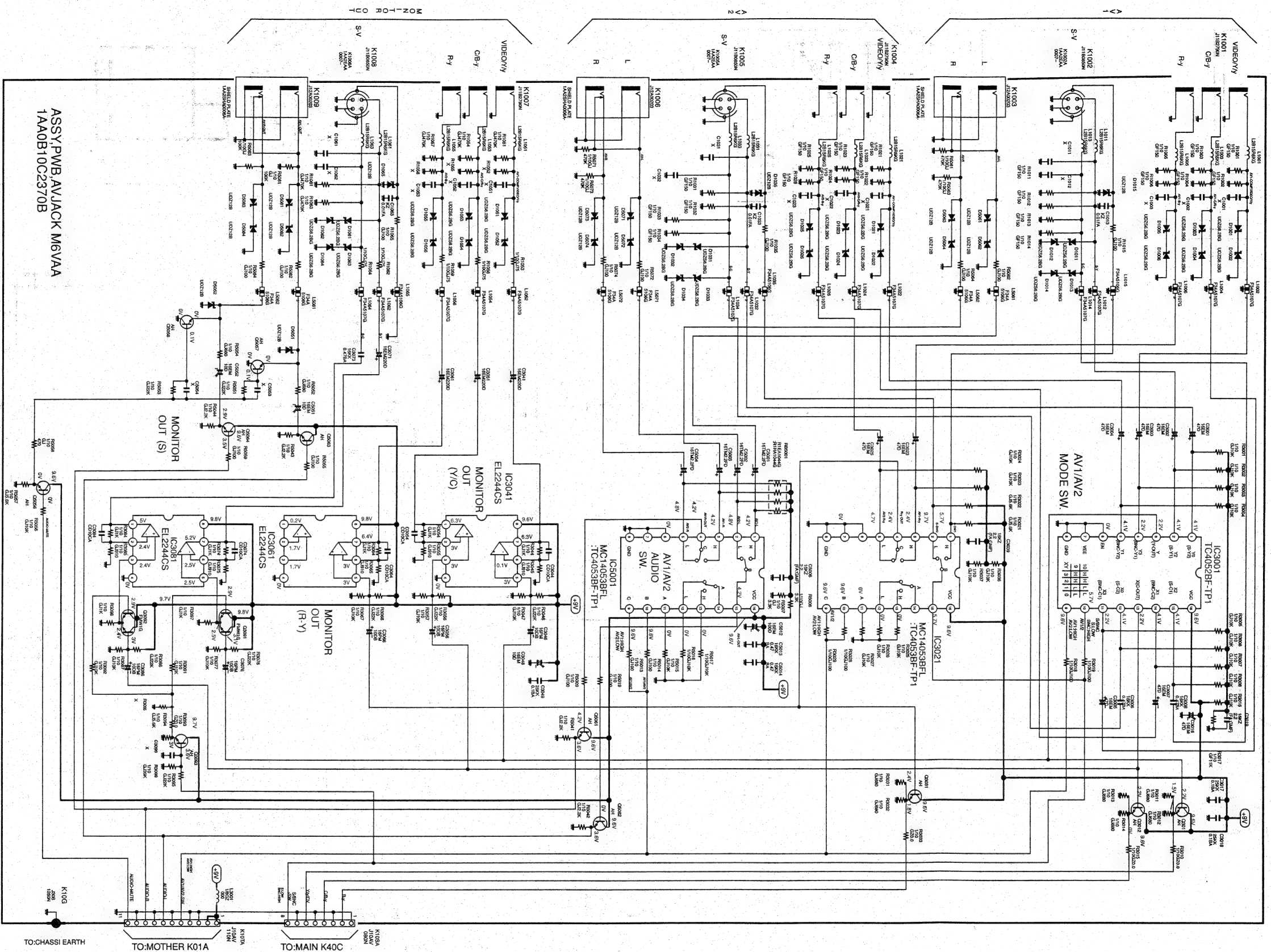
■ Power Supply Lines (PLC-XF10E/EL/B)

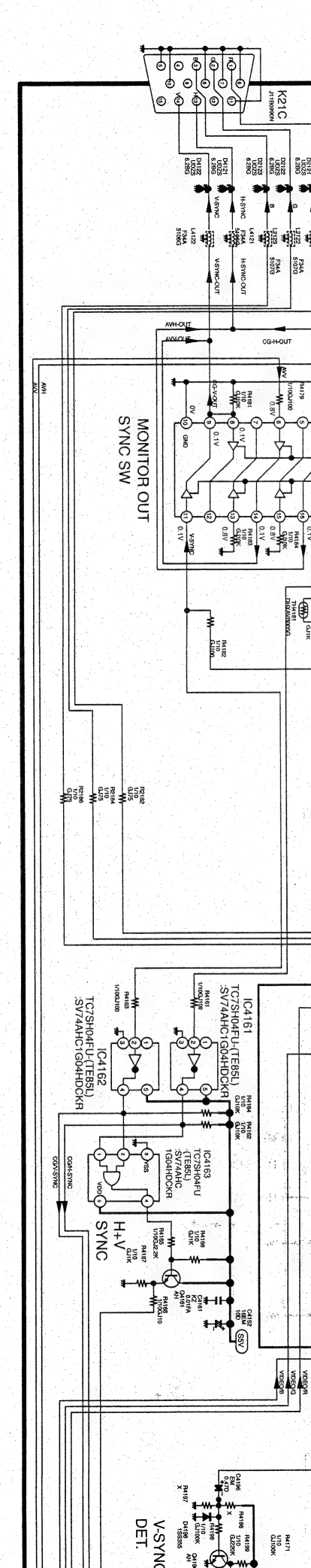
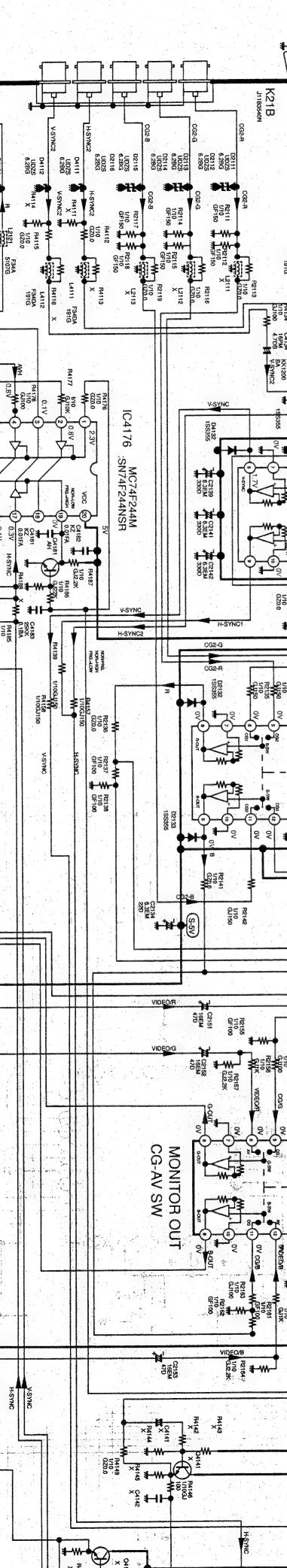
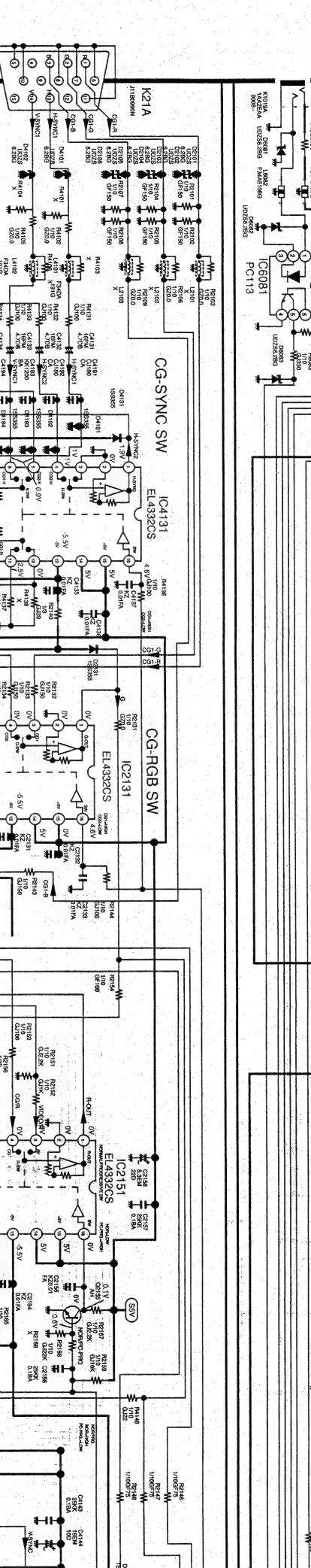
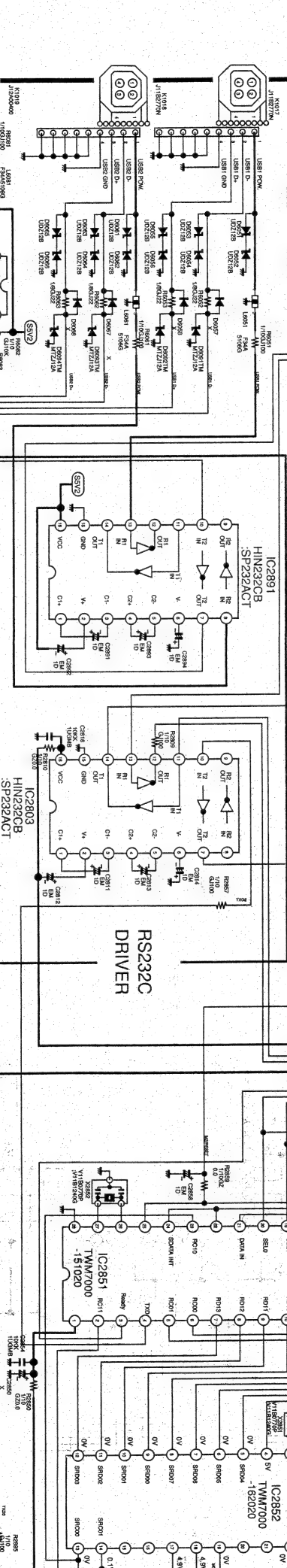
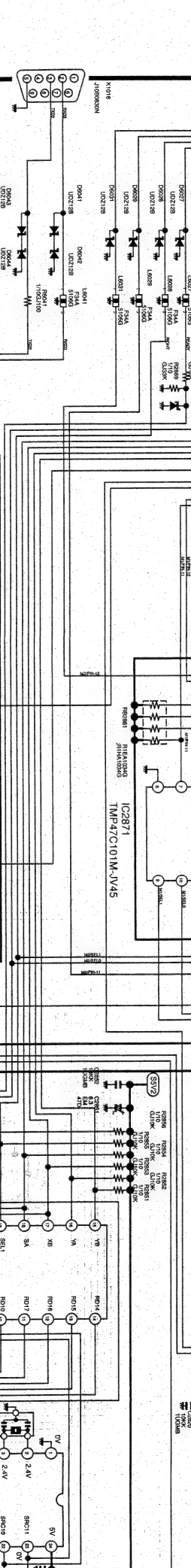
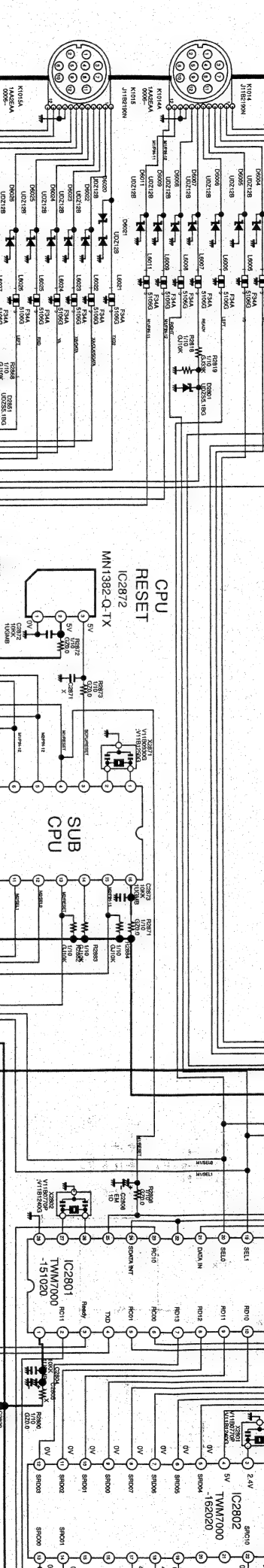
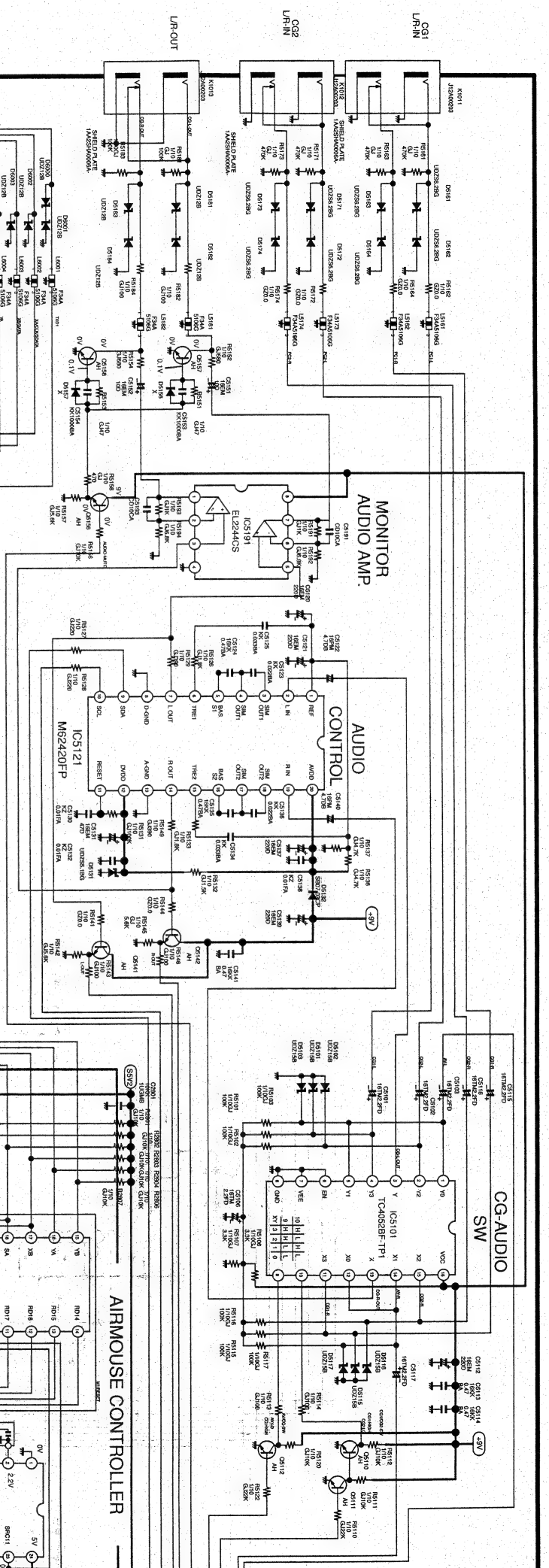


(PLC-XF10E/EL/B)



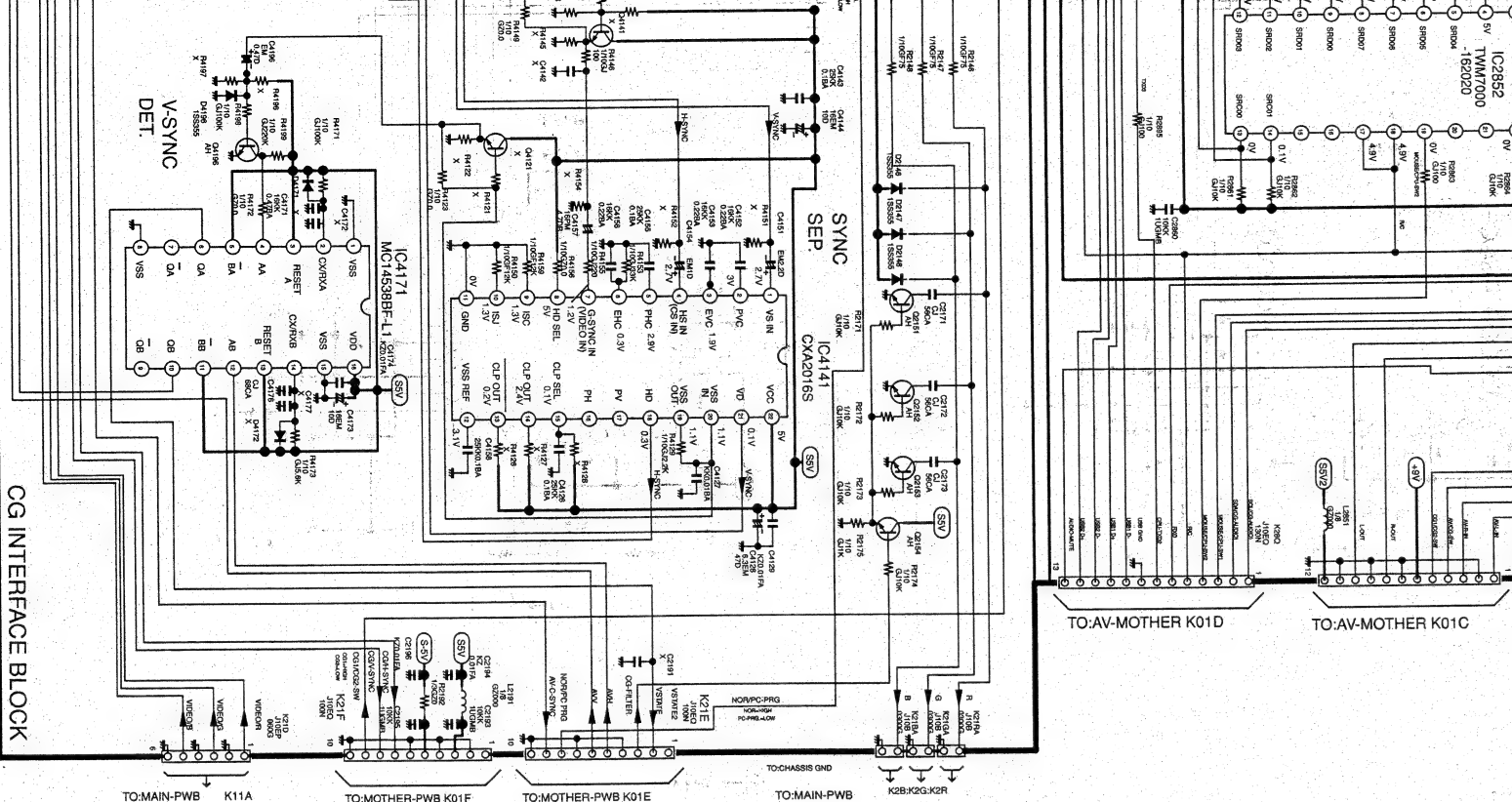
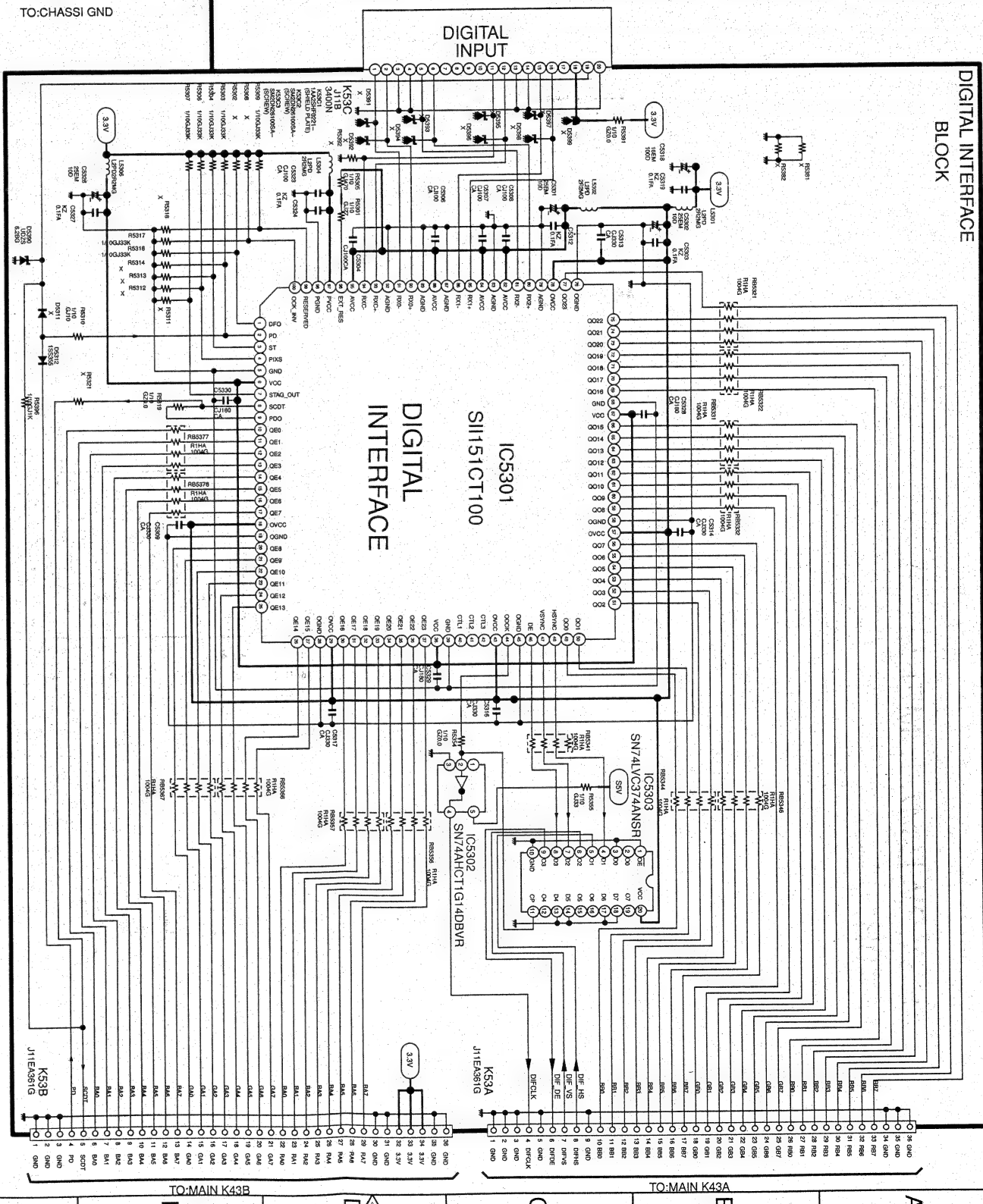
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MOUSE INTERFACE BLOCK

DIGITAL INTERFACE BLOCK



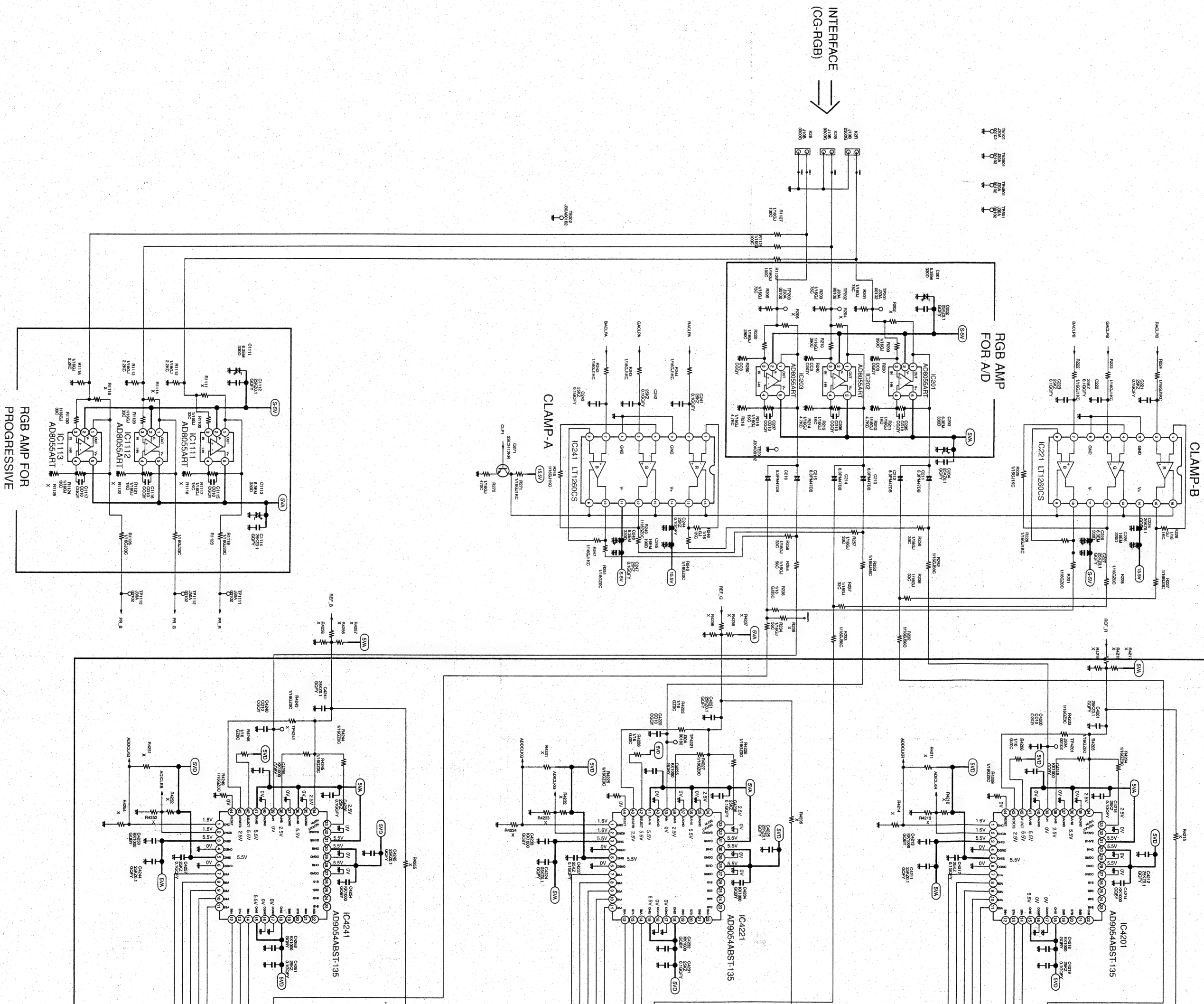
ASSY,PWB,INTERFACE M6VAA
1AA0B10C2370A

LIST OF RESISTOR PART NUMBERS

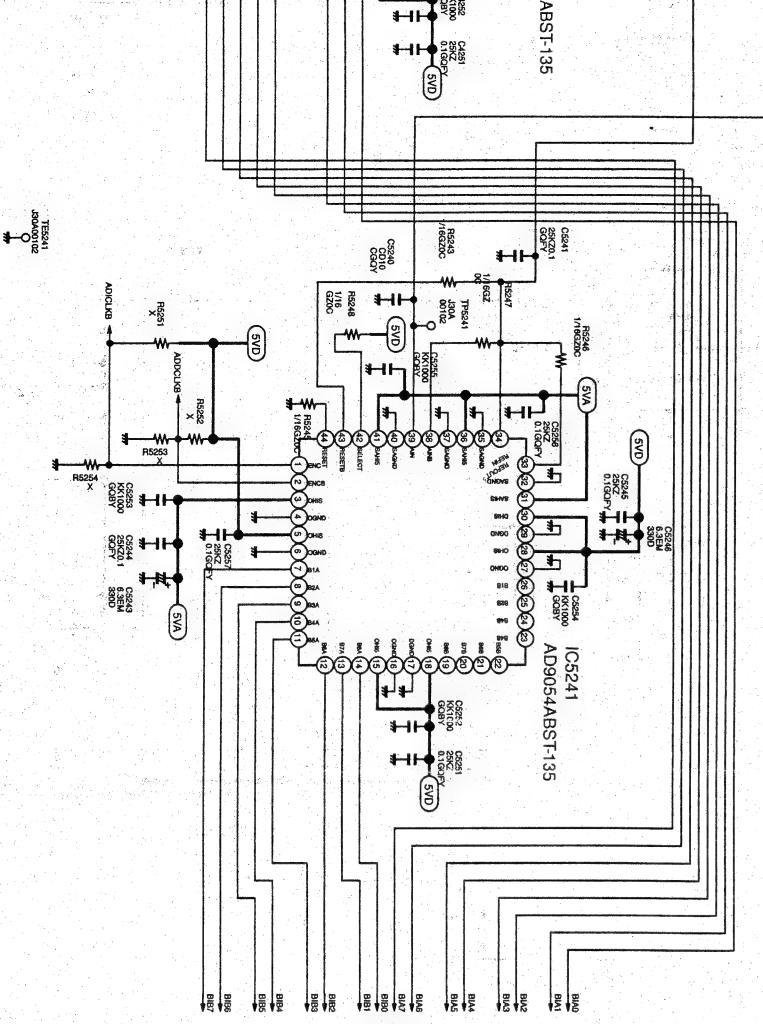
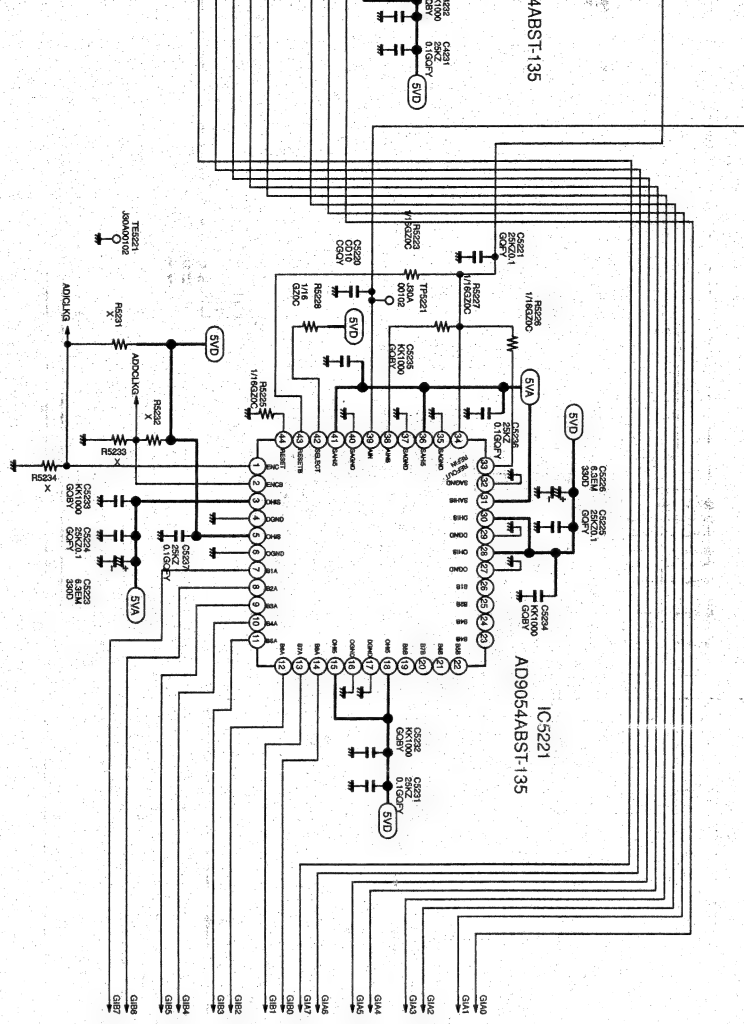
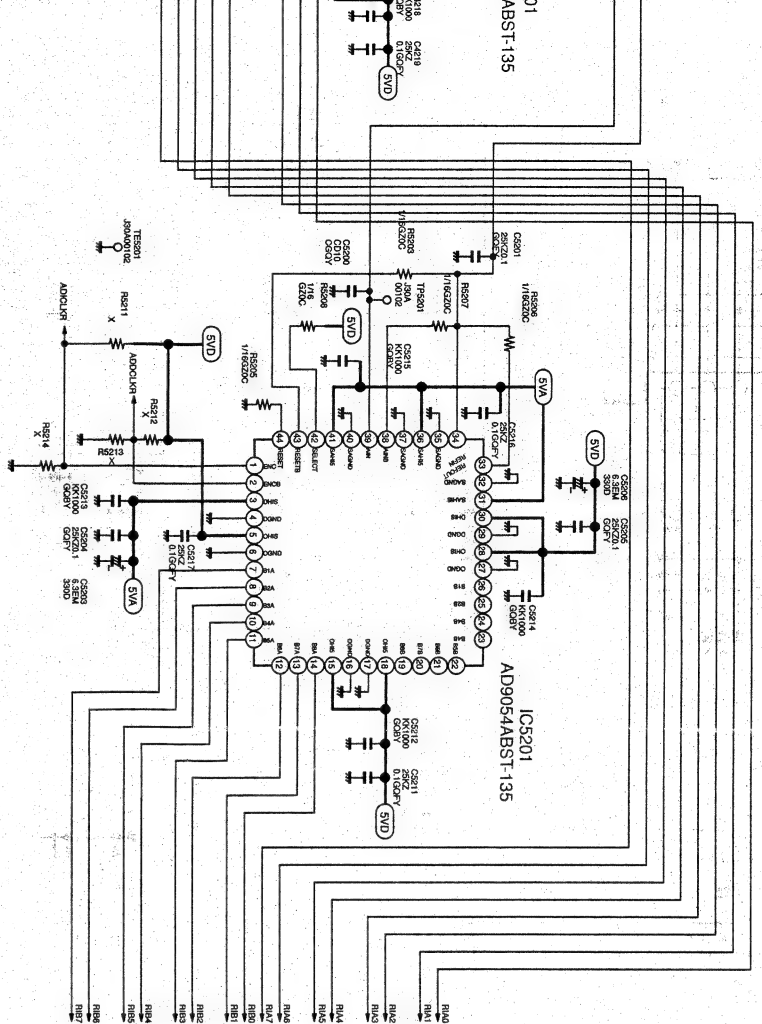
| RESISTOR TYPE | RESISTOR VALUE | RESISTOR VALUE | RESISTOR VALUE |
|---------------|----------------|----------------|----------------|
| 1A | 10K | 10K | 10K |
| 1B | 10K | 10K | 10K |
| 1C | 10K | 10K | 10K |
| 1D | 10K | 10K | 10K |
| 1E | 10K | 10K | 10K |
| 1F | 10K | 10K | 10K |
| 1G | 10K | 10K | 10K |
| 1H | 10K | 10K | 10K |
| 1I | 10K | 10K | 10K |
| 1J | 10K | 10K | 10K |
| 1K | 10K | 10K | 10K |
| 1L | 10K | 10K | 10K |
| 1M | 10K | 10K | 10K |
| 1N | 10K | 10K | 10K |
| 1O | 10K | 10K | 10K |
| 1P | 10K | 10K | 10K |
| 1Q | 10K | 10K | 10K |
| 1R | 10K | 10K | 10K |
| 1S | 10K | 10K | 10K |
| 1T | 10K | 10K | 10K |
| 1U | 10K | 10K | 10K |
| 1V | 10K | 10K | 10K |
| 1W | 10K | 10K | 10K |
| 1X | 10K | 10K | 10K |
| 1Y | 10K | 10K | 10K |
| 1Z | 10K | 10K | 10K |

ASSY,PWB,MAIN MEGA(1/5)
1AA0B10C23300

A/D C

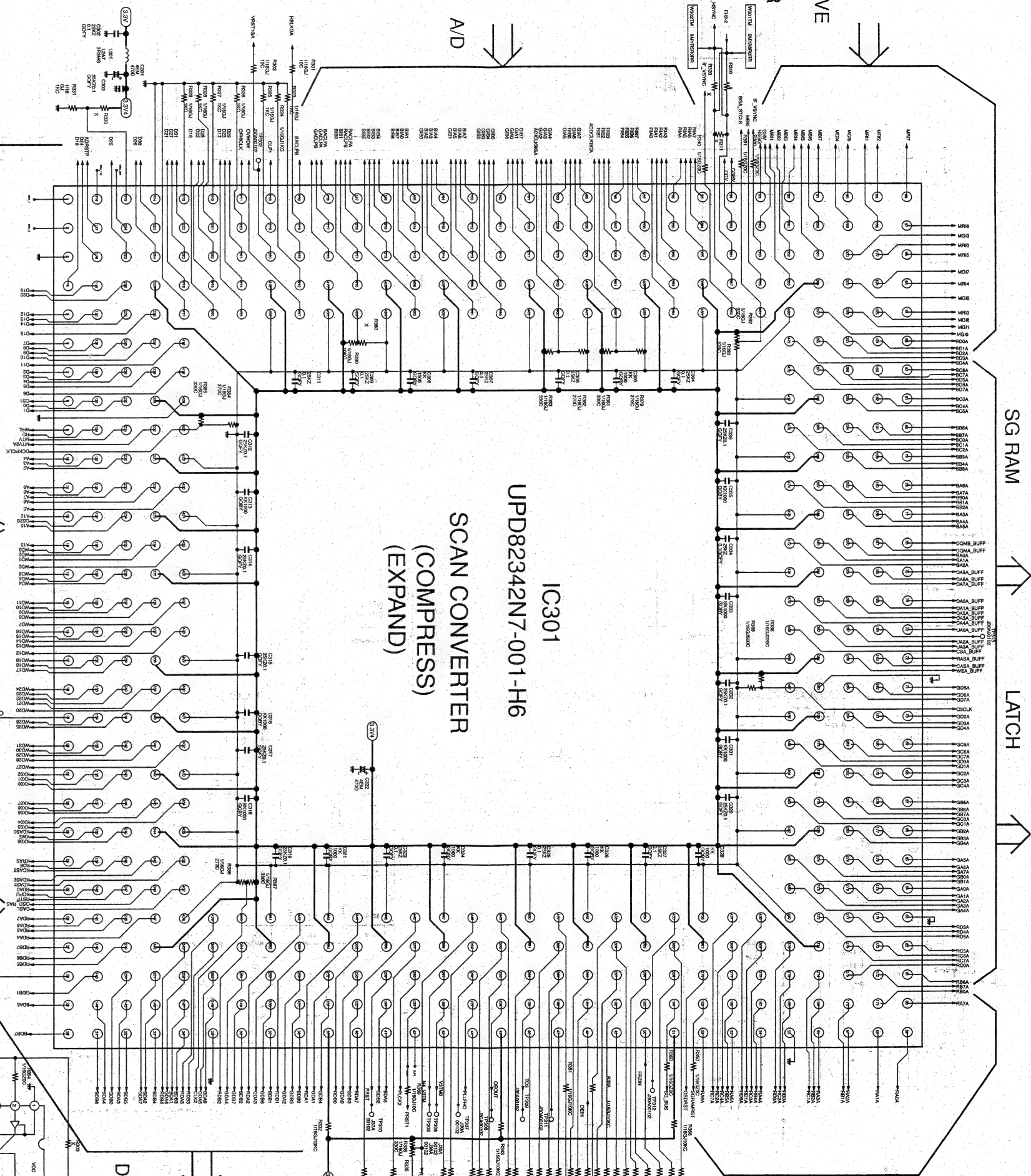


AD CONVERTER



SCAN
CONVERTER





PROGRESSIVE
SCAN
CONVERTER
DIGITAL
INTERFACE

A/D

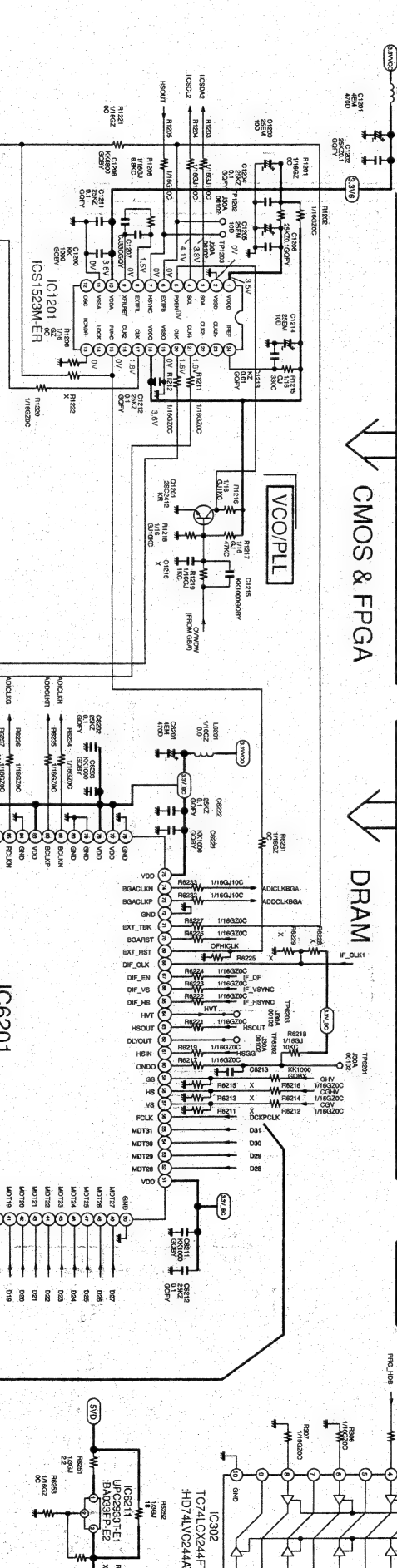
SCAN CONVERTER
(COMPRESS)
(EXPAND)

IC301
UPD82342N7-001-H6

CMOS & FPGA

DRAM

LC
DRIVE

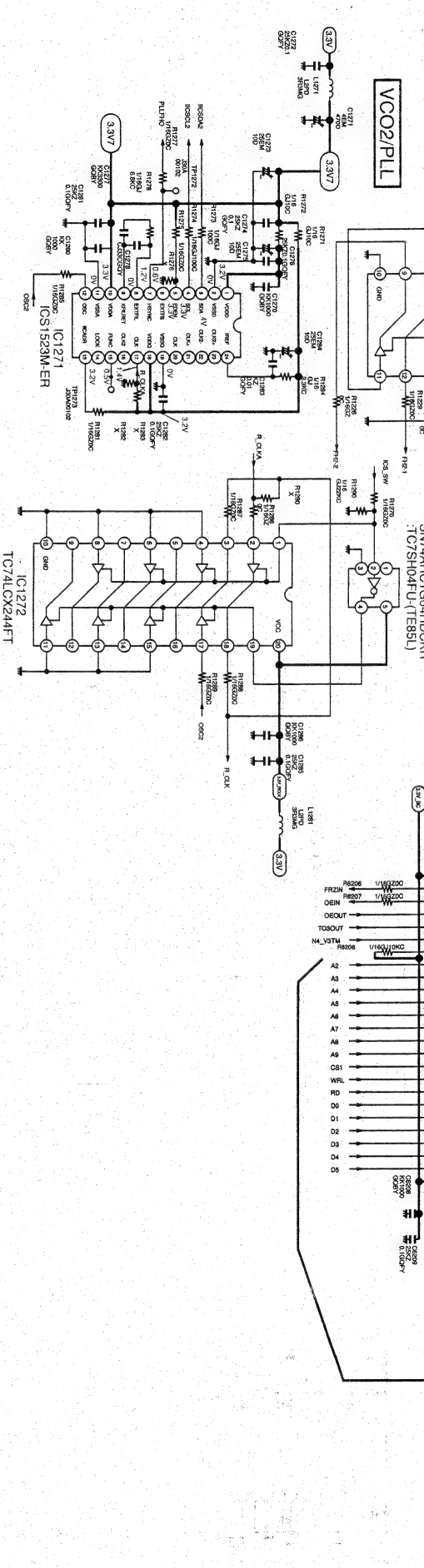


VCO2/PLL

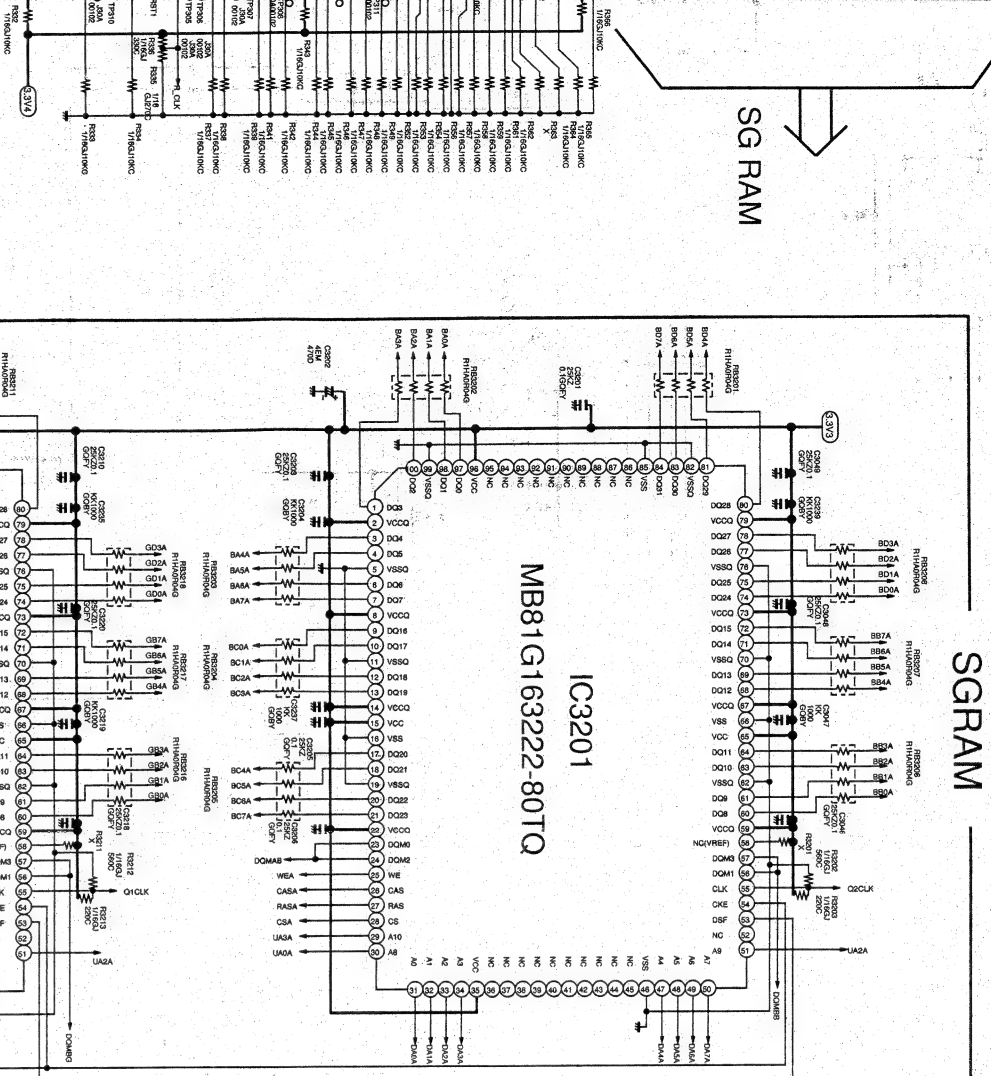
VCO/PLL

Bi-CMOS
UPD67821

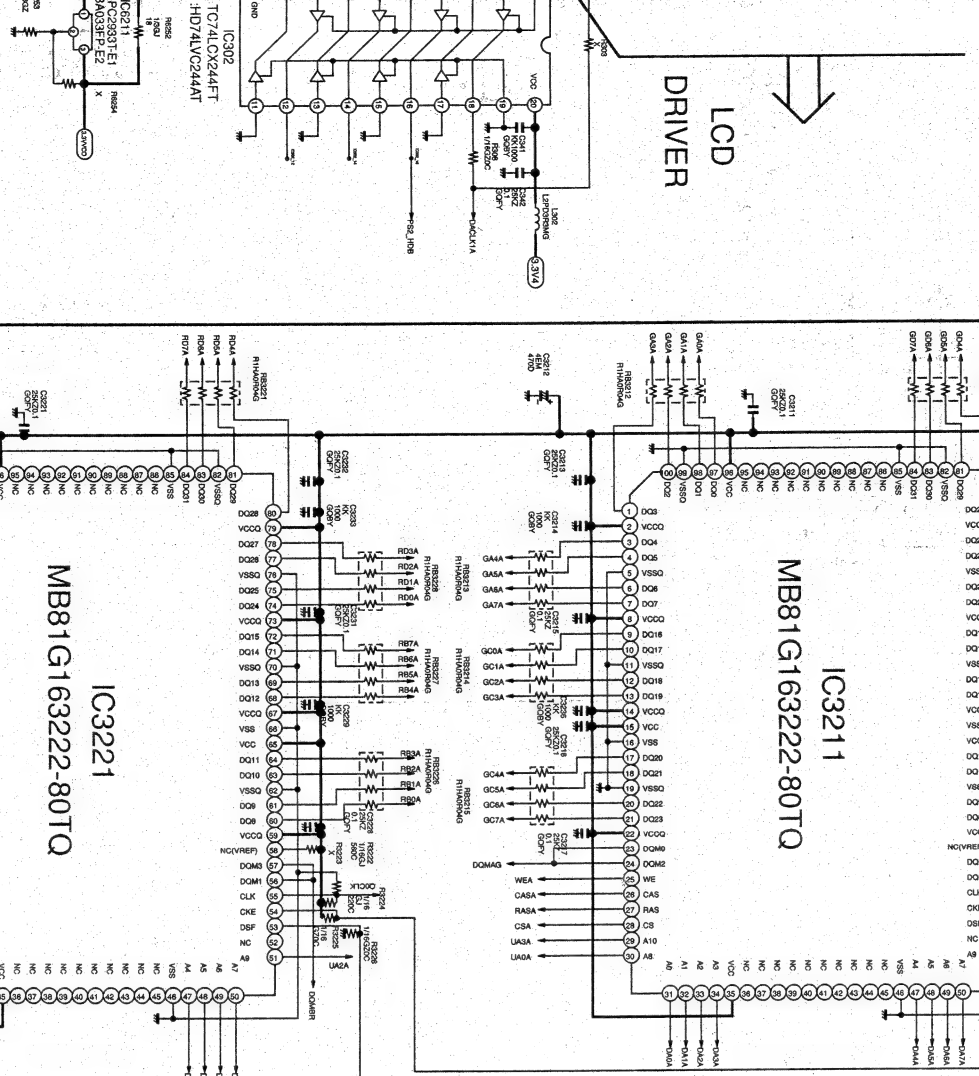
SCAN
CONVERTER
&
FPGA



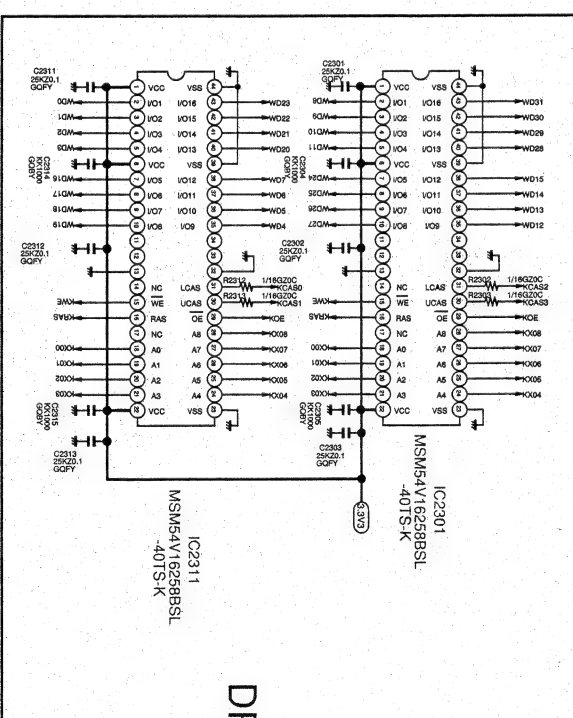
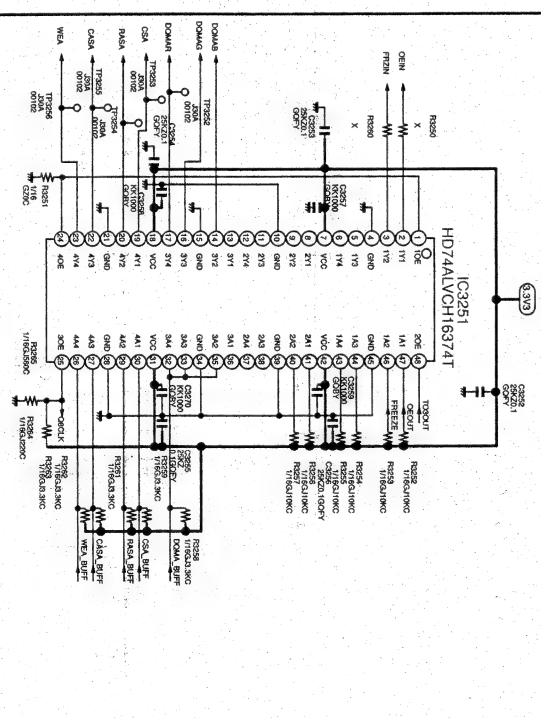
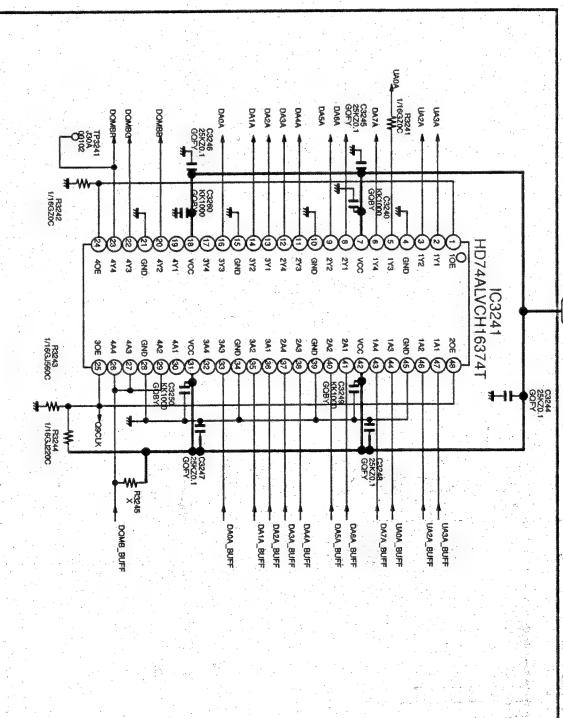
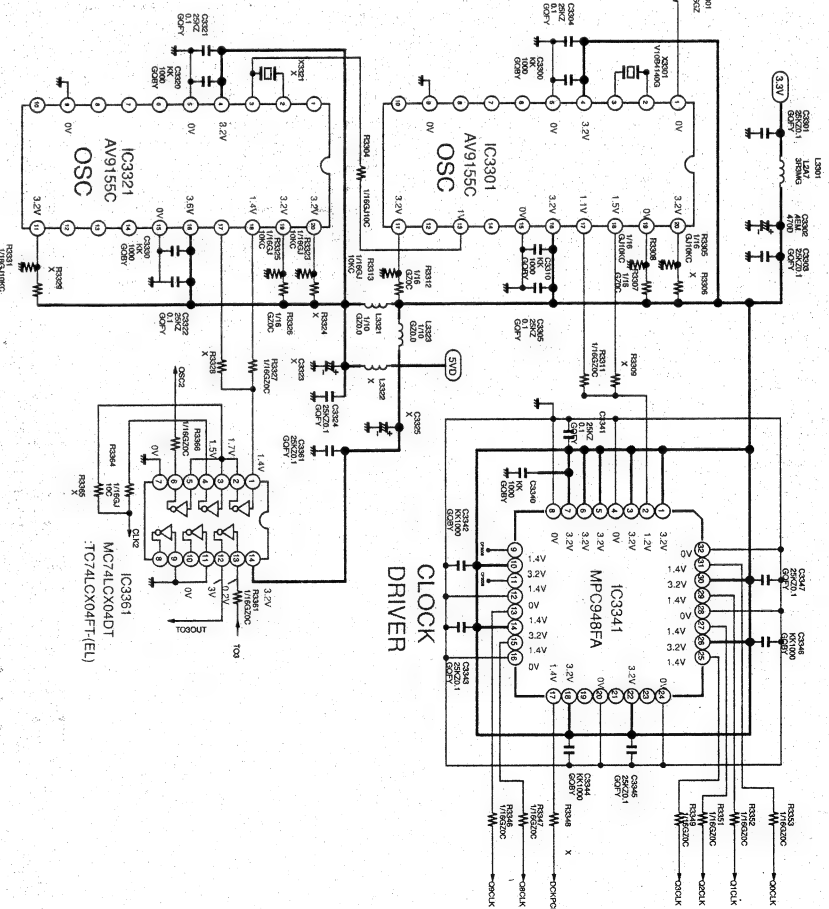
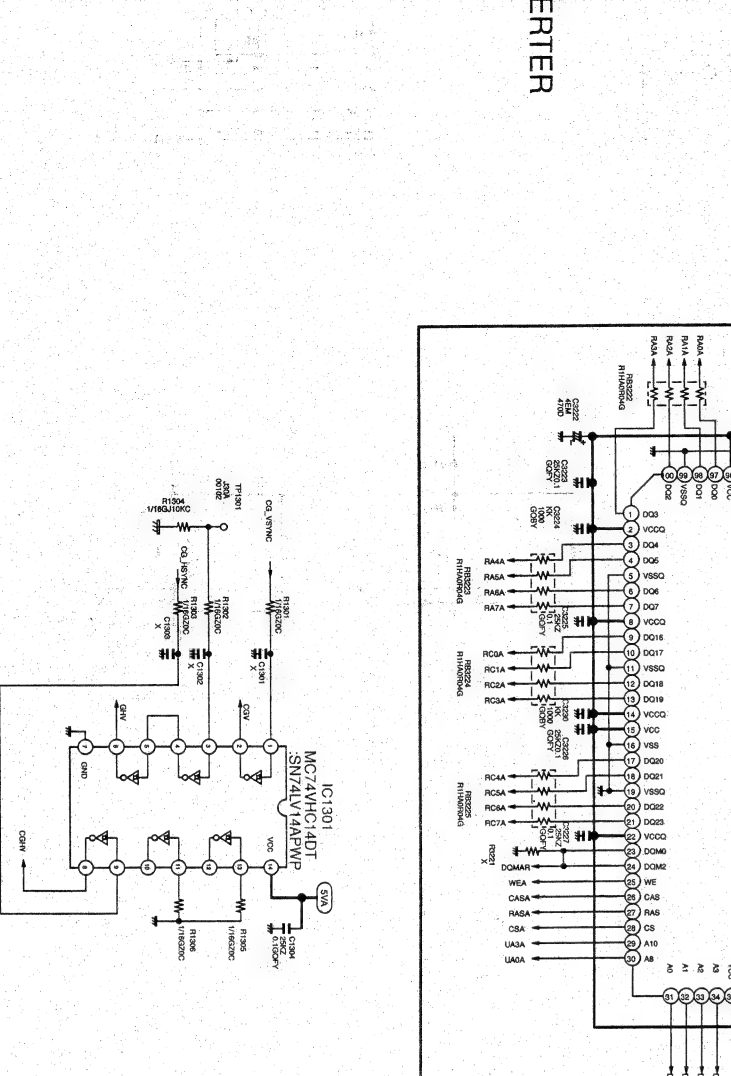
SG RAM



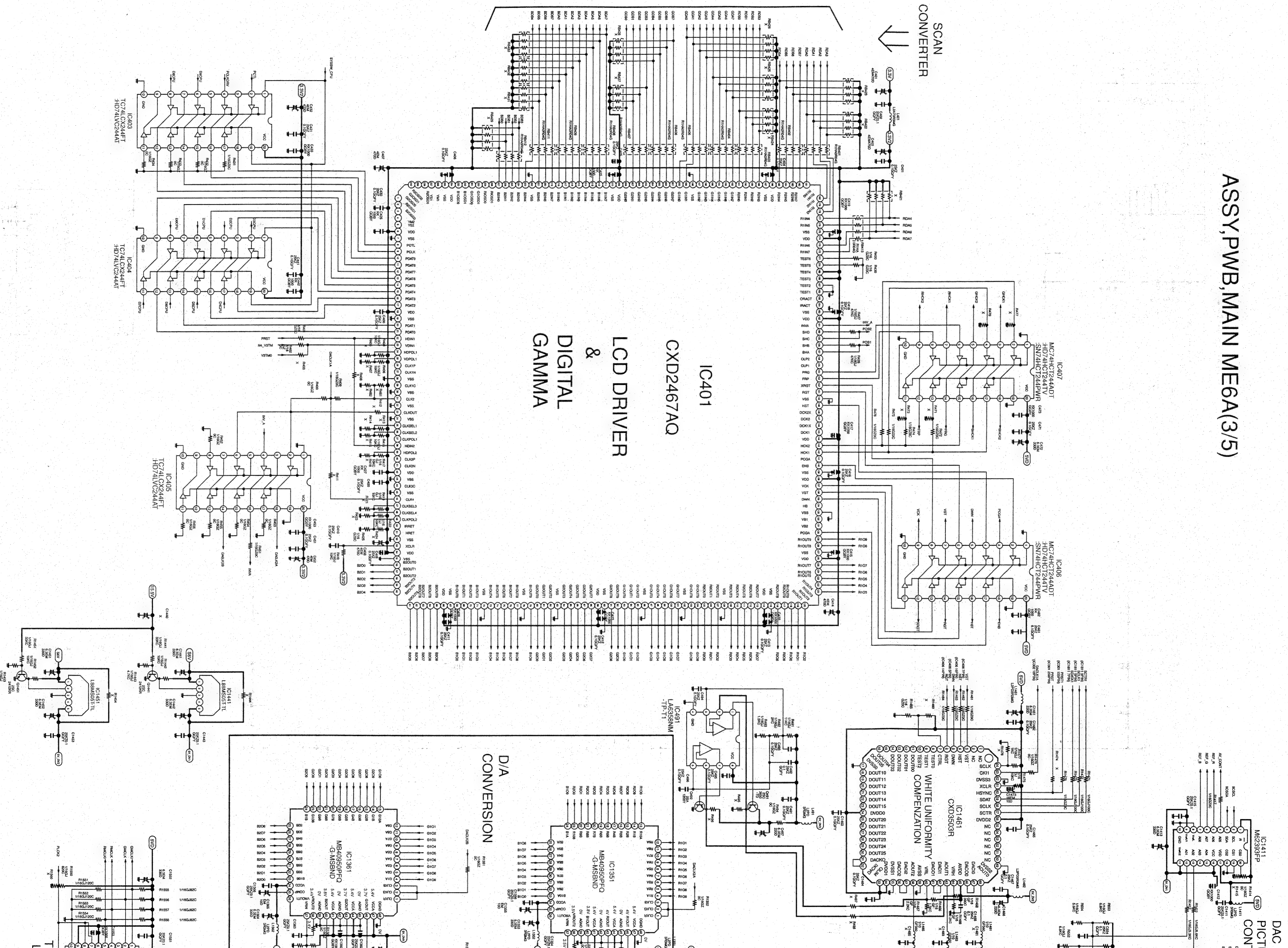
LCD DRIVER



ENTER



ASSY,PWB,MAIN MEGA(3/5)



DAC
PICTURE
CONTROL

SAMPLE & HOLD

R PANEL

G PANEL

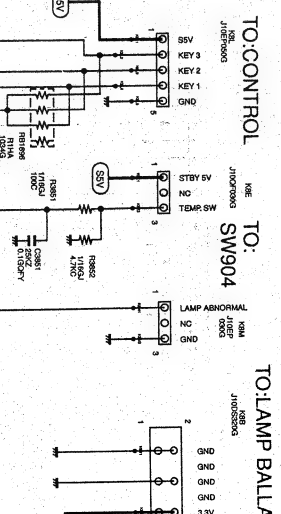
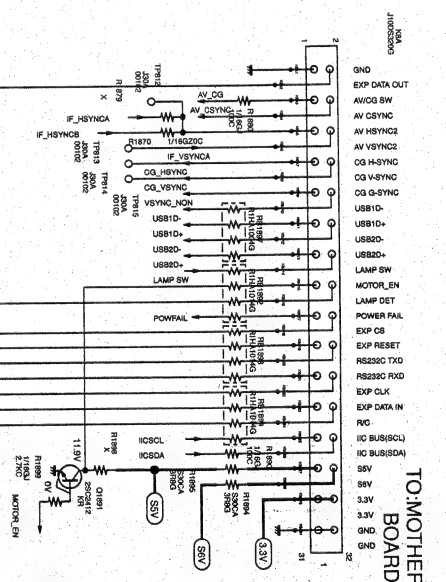
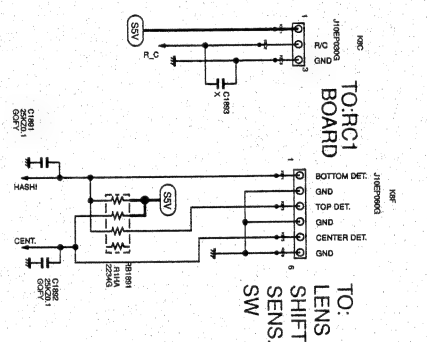
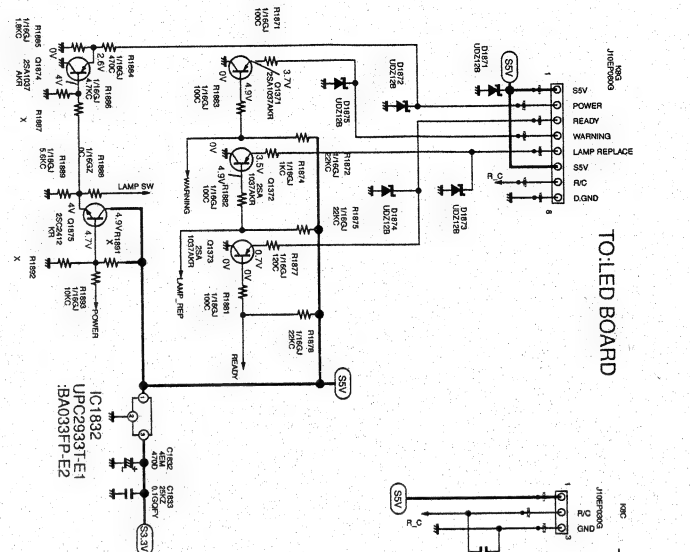
B PANEL

TTL-ECL
LEVEL

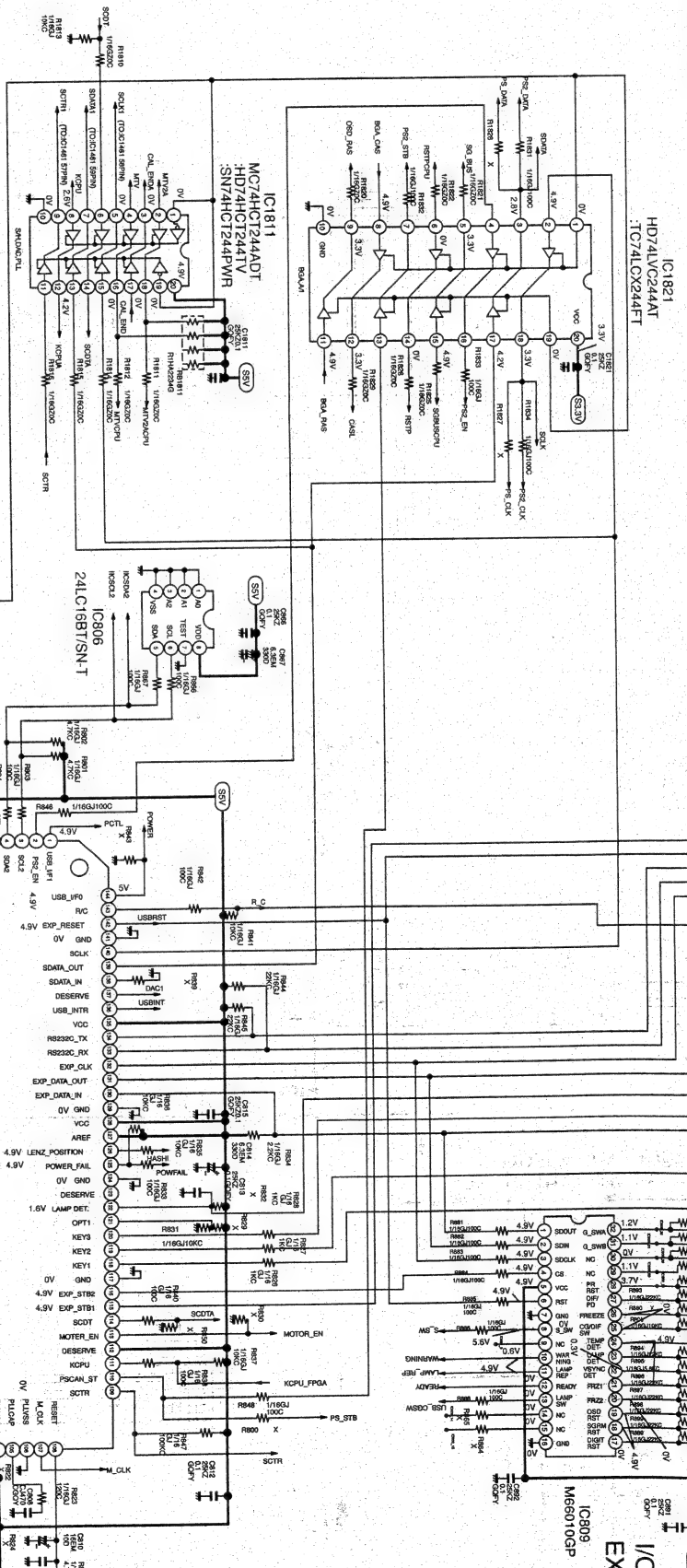
(PLC-XF10E/EL/B)

9 10 11 12 13 14 15 16

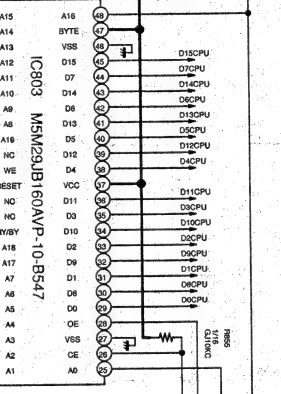
A B C D E F G H I J K



ASSY,PWB,MAIN MEGA(4/5)

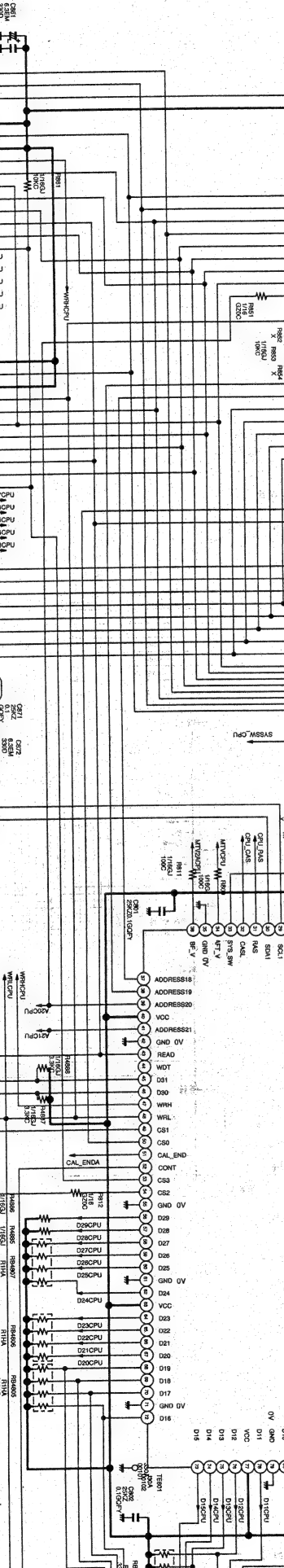


FLASH ROM

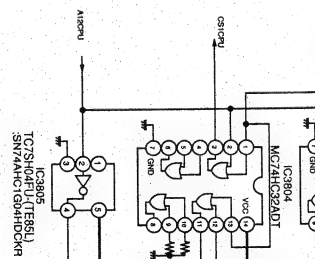
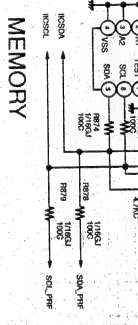
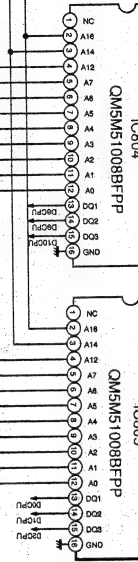


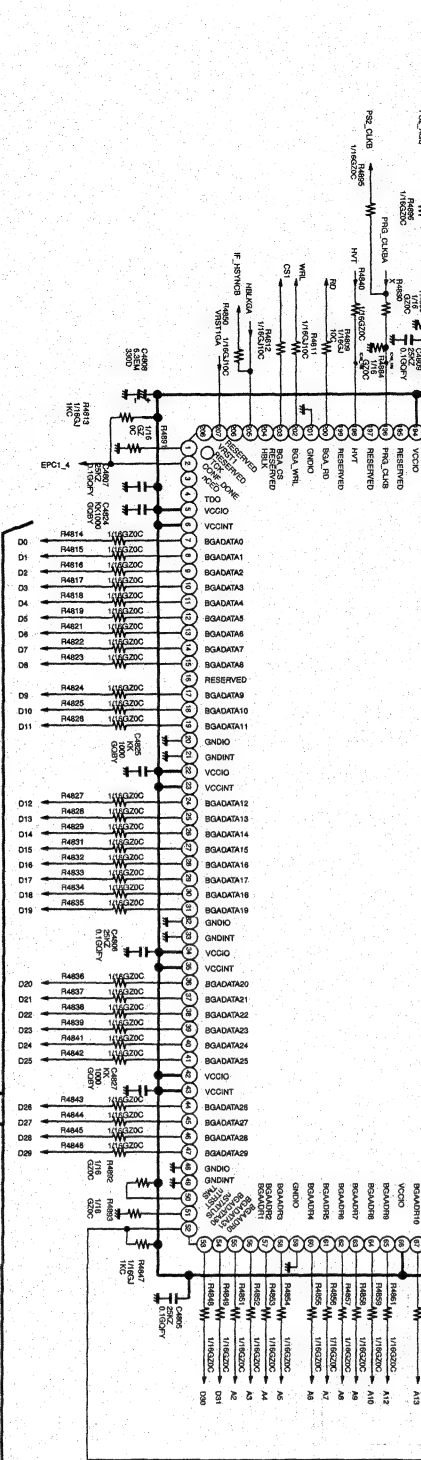
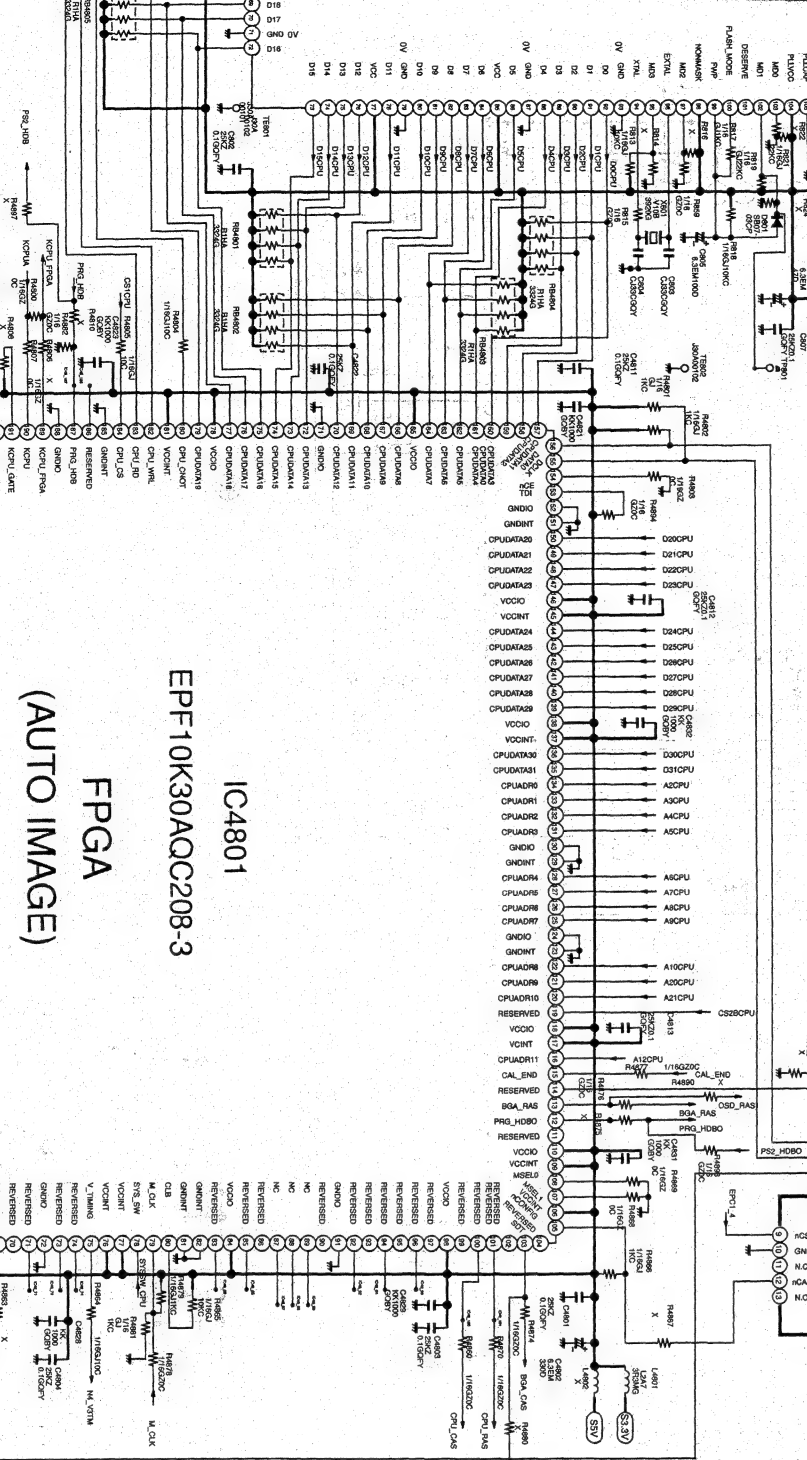
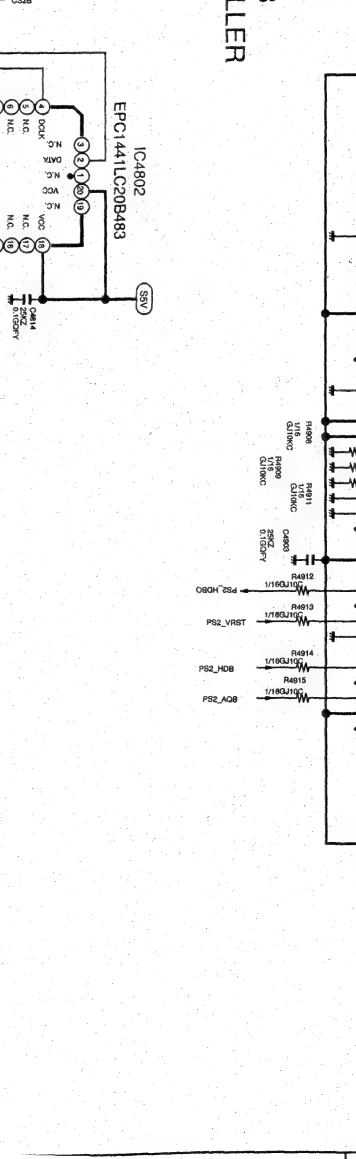
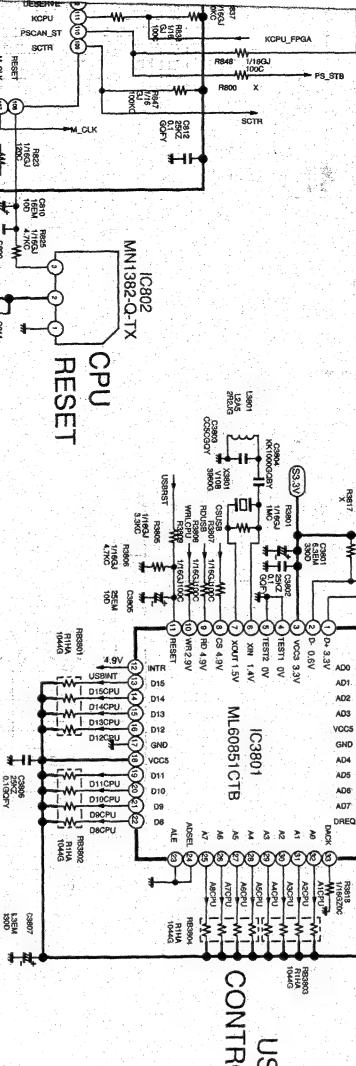
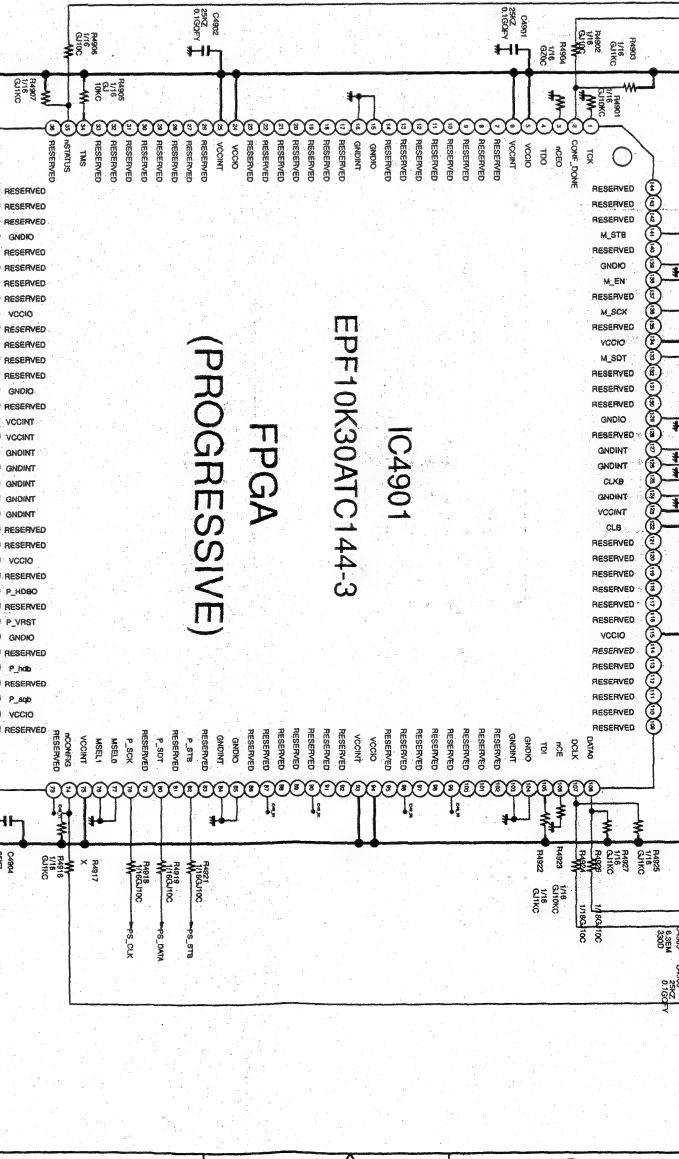
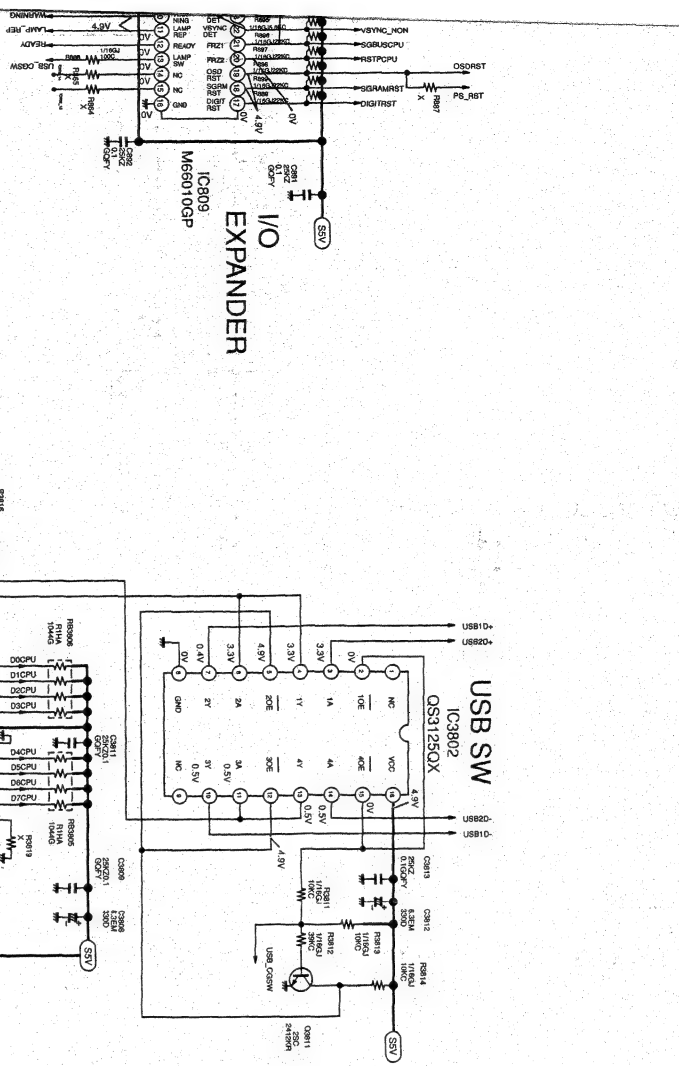
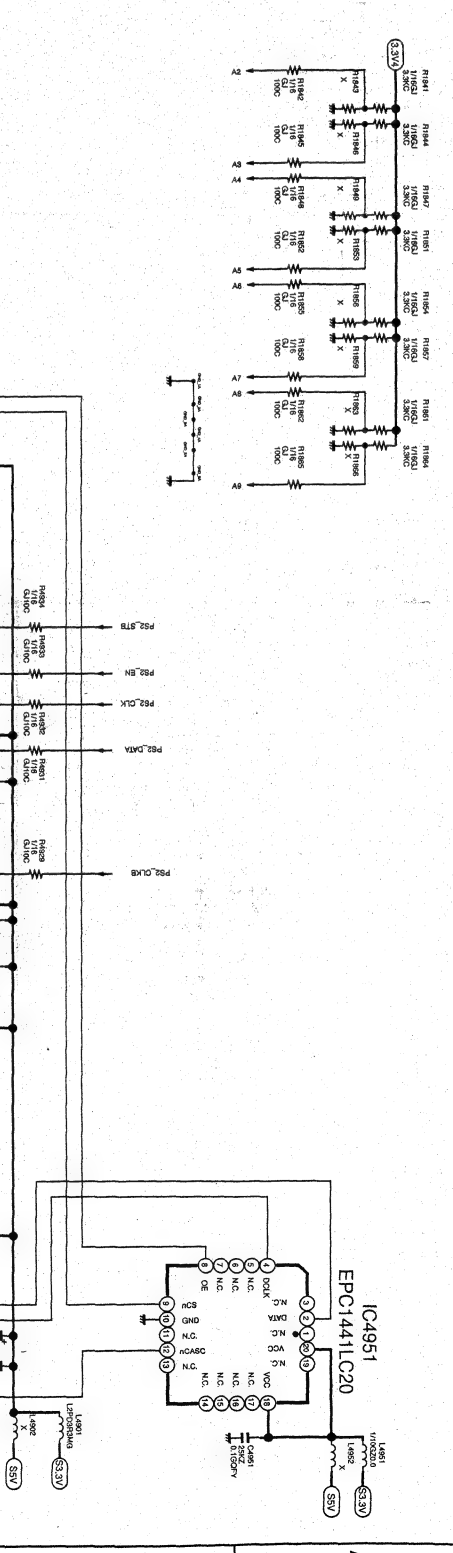
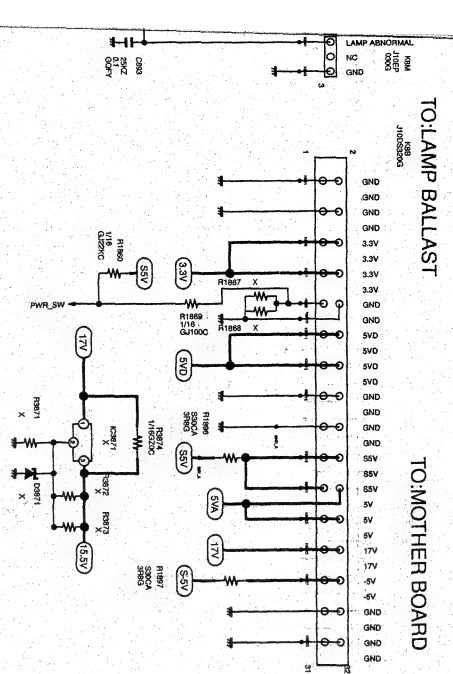
IC801 HD64F7045F28-B546

CPU



SFRAM

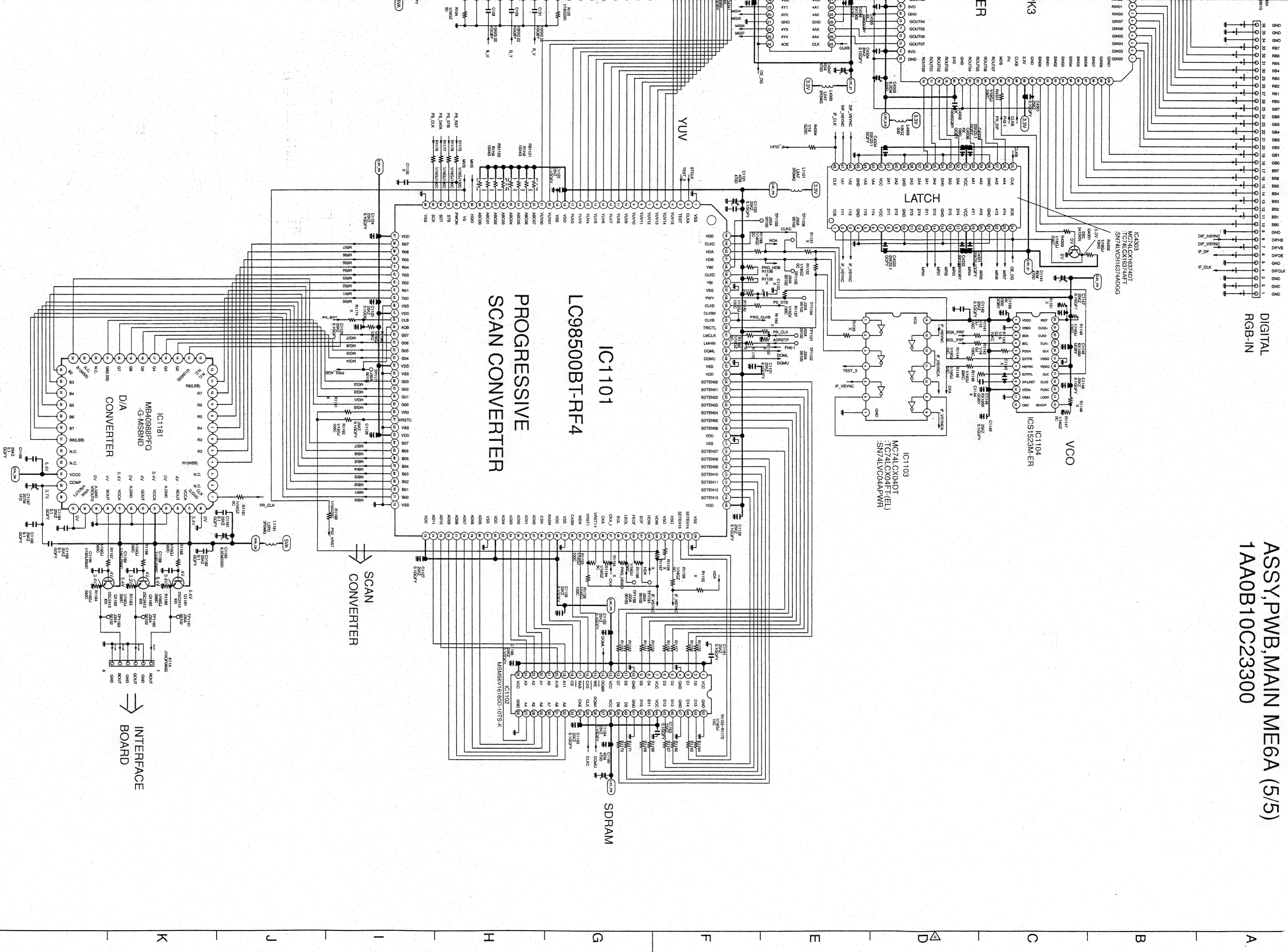






DIGITAL
RGB-IN

ASSY,PWB,MAIN MEGA (5/5)
1AA0B10C23300



CAUTION

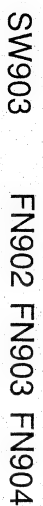
Please pay attention to the following notes in servicing

- ages and waveforms.

Power Board (SIDE:A)

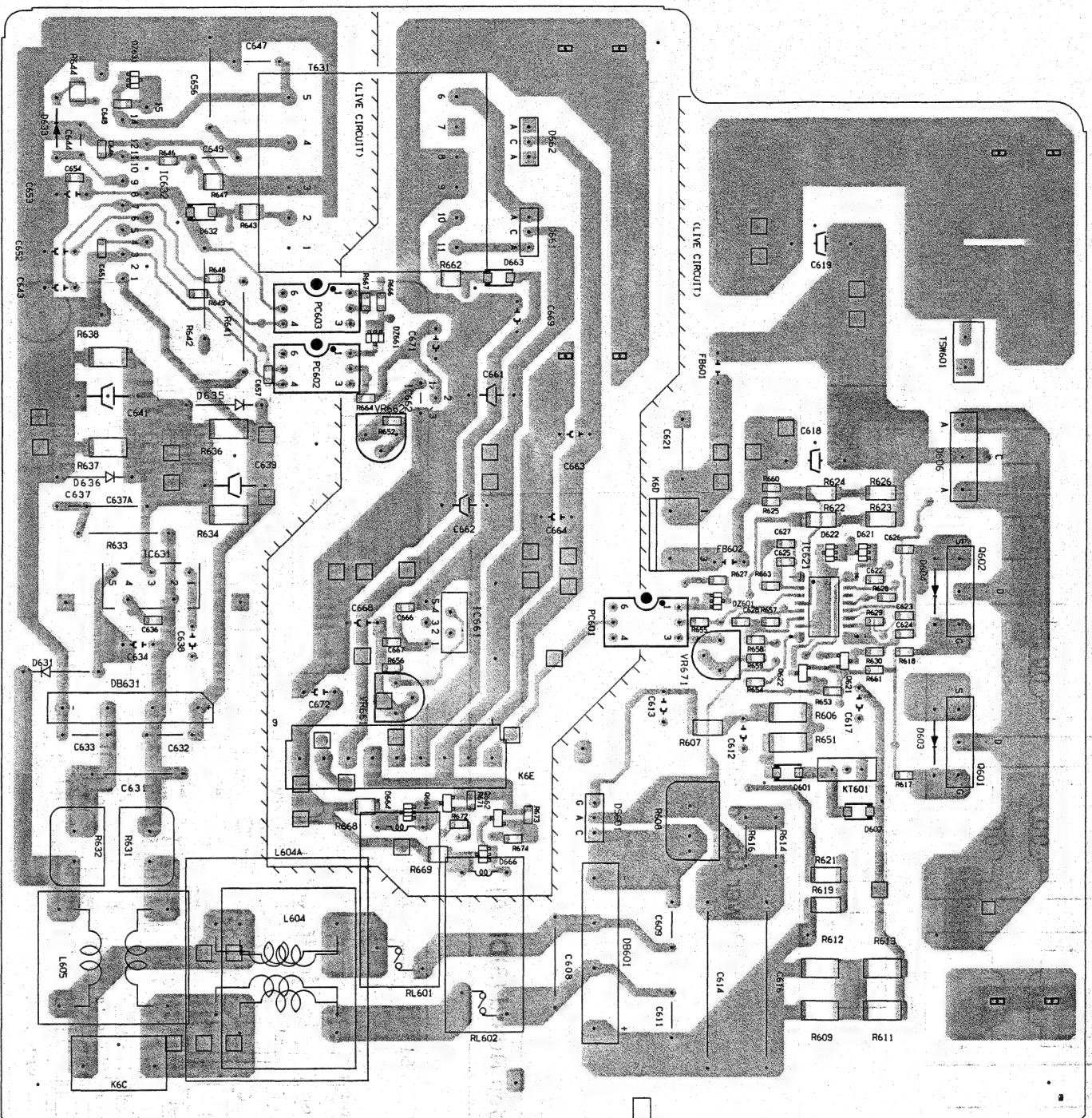


Sub Power Board (SIDE:A)

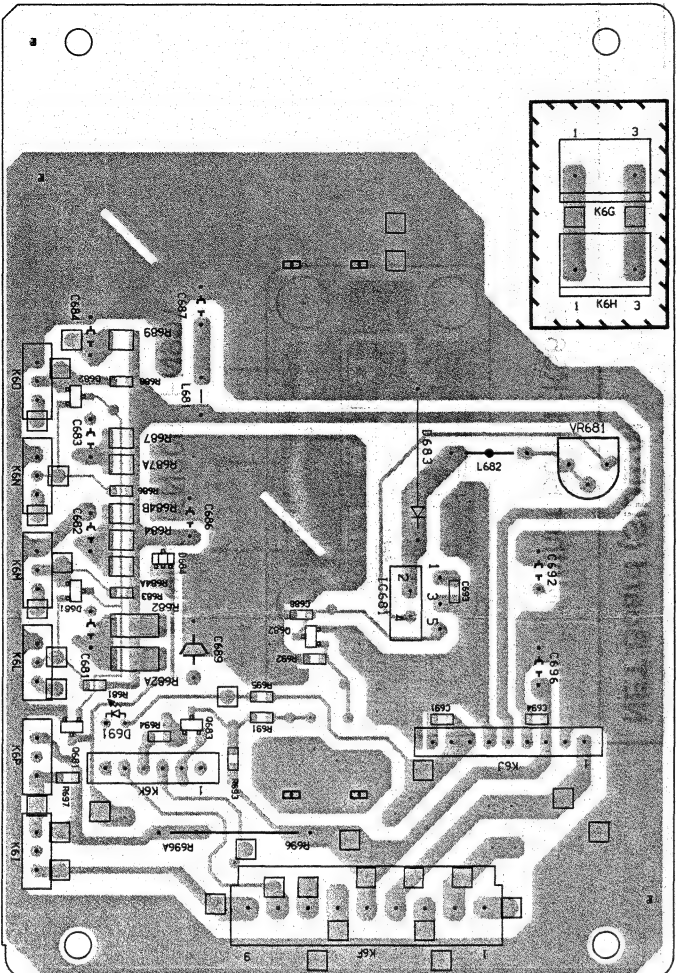


| | |
|--|----------------------|
| | |
| | d sides (secondary |
| | n measuring of volt- |

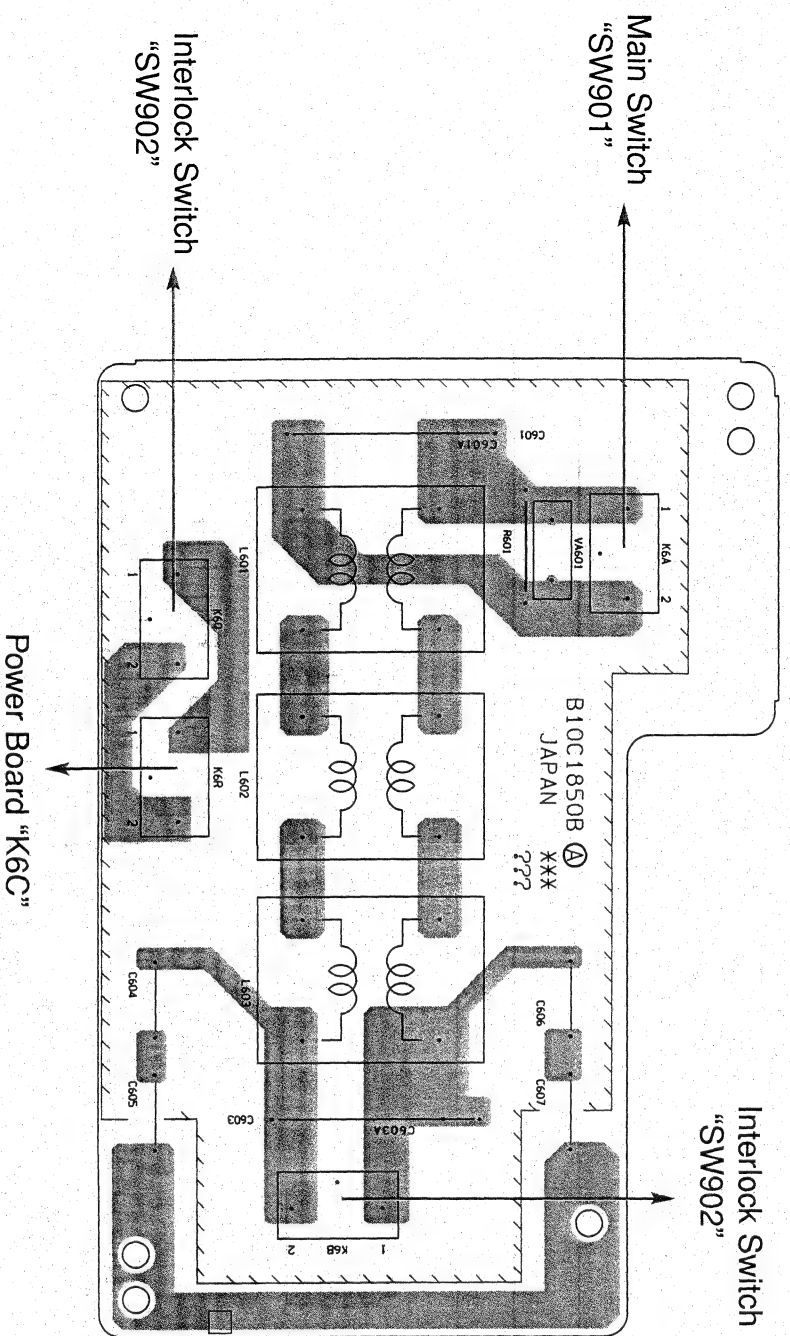
Power Board (SIDE:B)



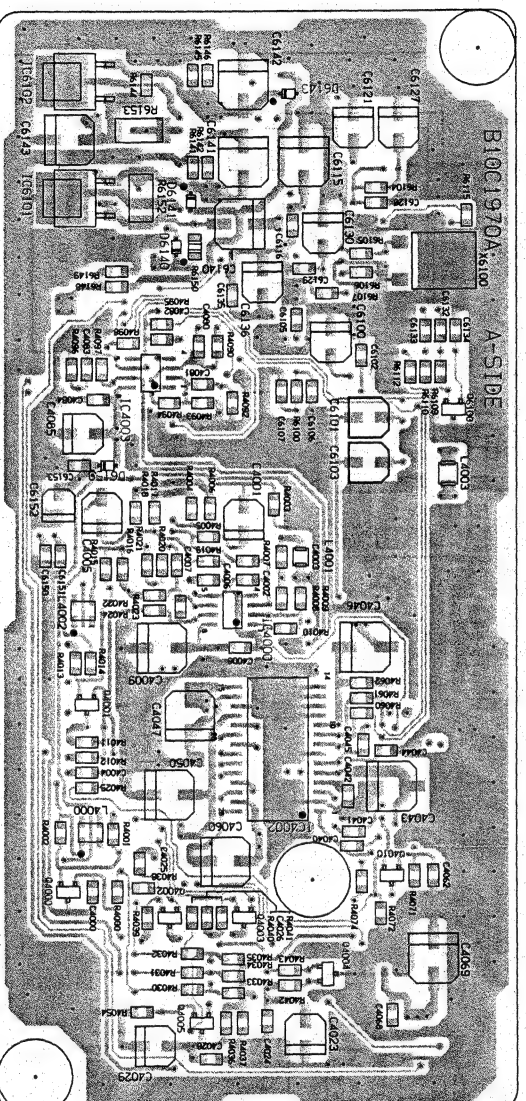
Sub Power Board (SIDE:B)



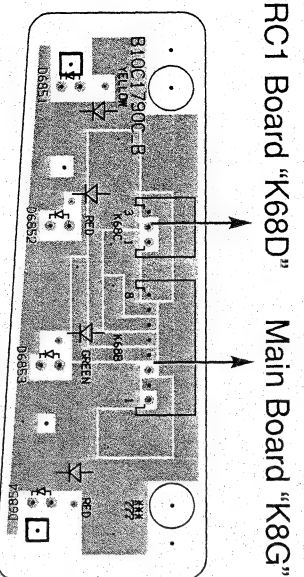
Filter Board (SIDE:A)



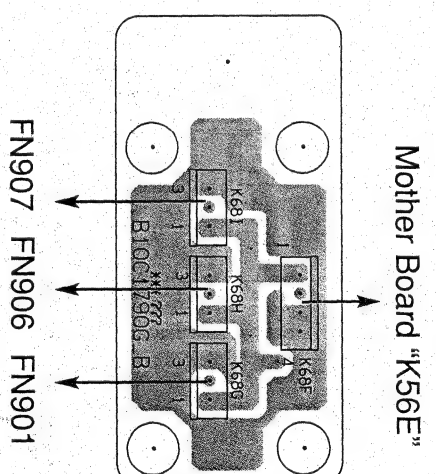
Video Board (SIDE:A)



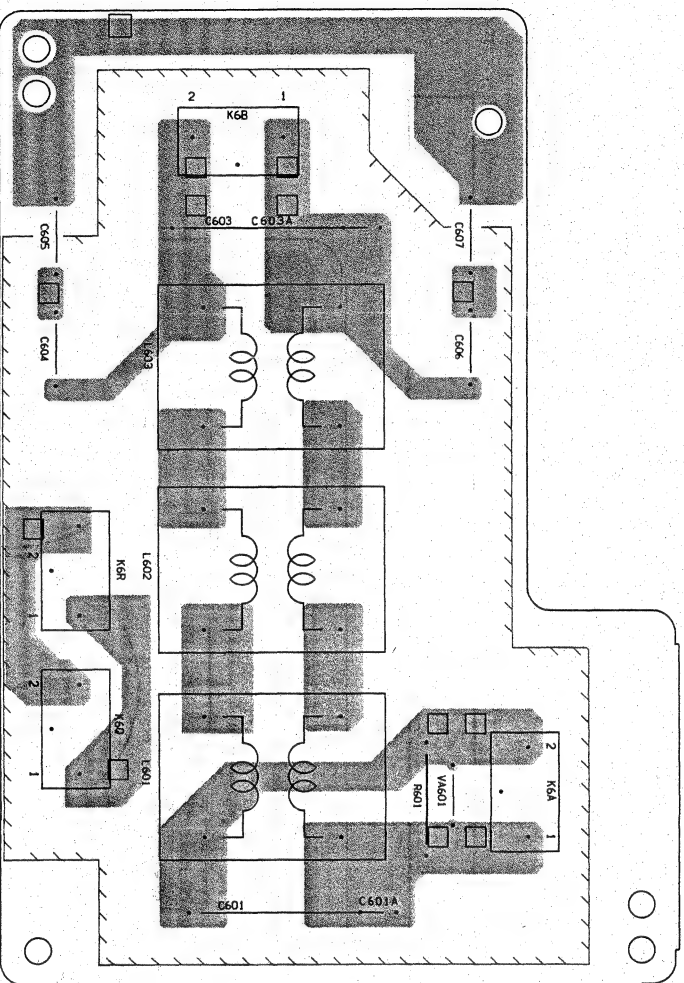
LED Board (SIDE:A)



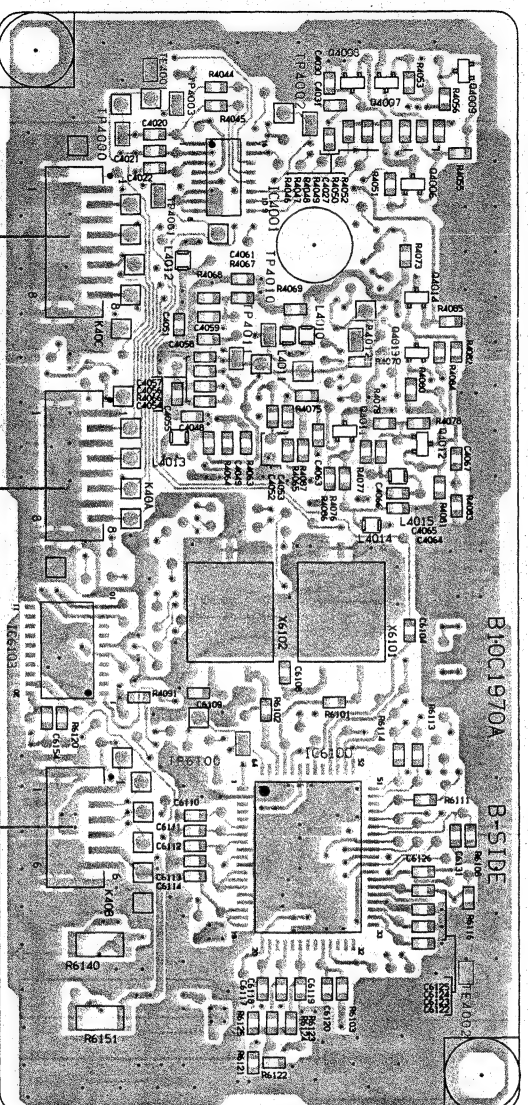
NET Board (SIDE:A)



Filter Board (SIDE:B)

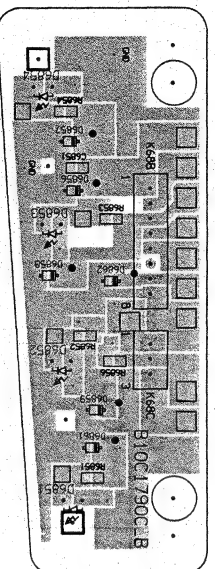


Video Board (SIDE:B)

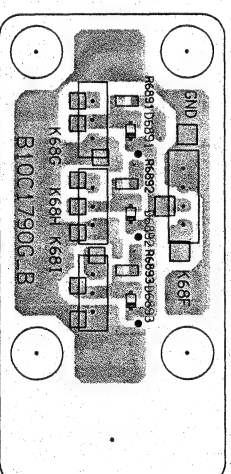


AV Jack Board "K10SA" Main Board "K1A" Main Board "K1B"

LED Board (SIDE:B)



NET Board (SIDE:B)



Interface Board (SIDE:A)

Main Unit
"K43B"

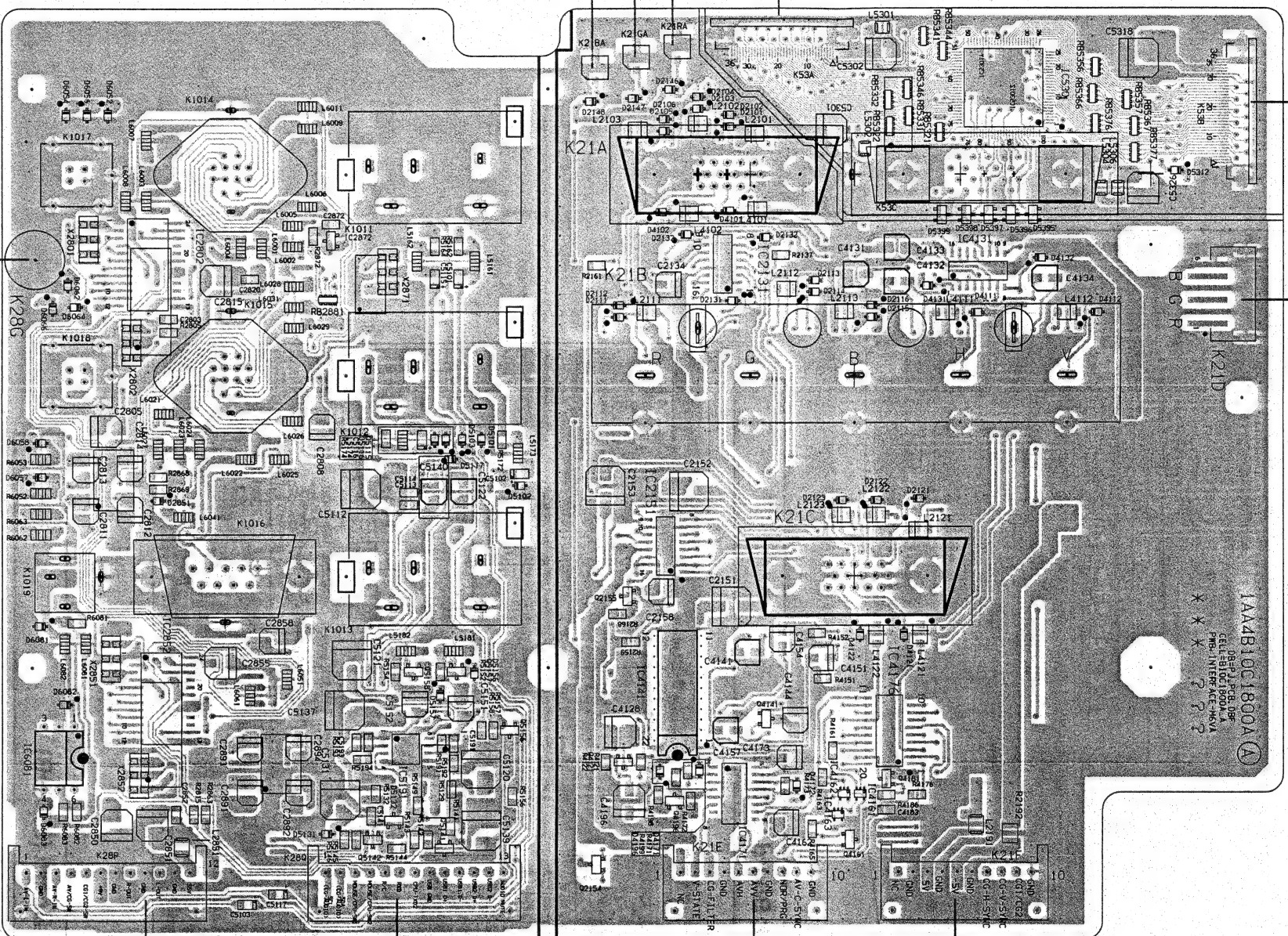
Main Unit
"K11A"

Main Board "K43A"

Main Board "K2R"

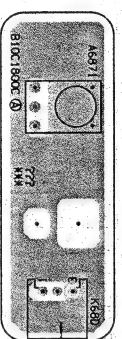
Main Board "K2G"

Main Board "K2B"



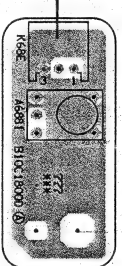
Chassis Ground

RC1 Board (SIDE:A)



LED Board
"K68C"

RC2 Board (SIDE:A)



Main Board
"K8C"

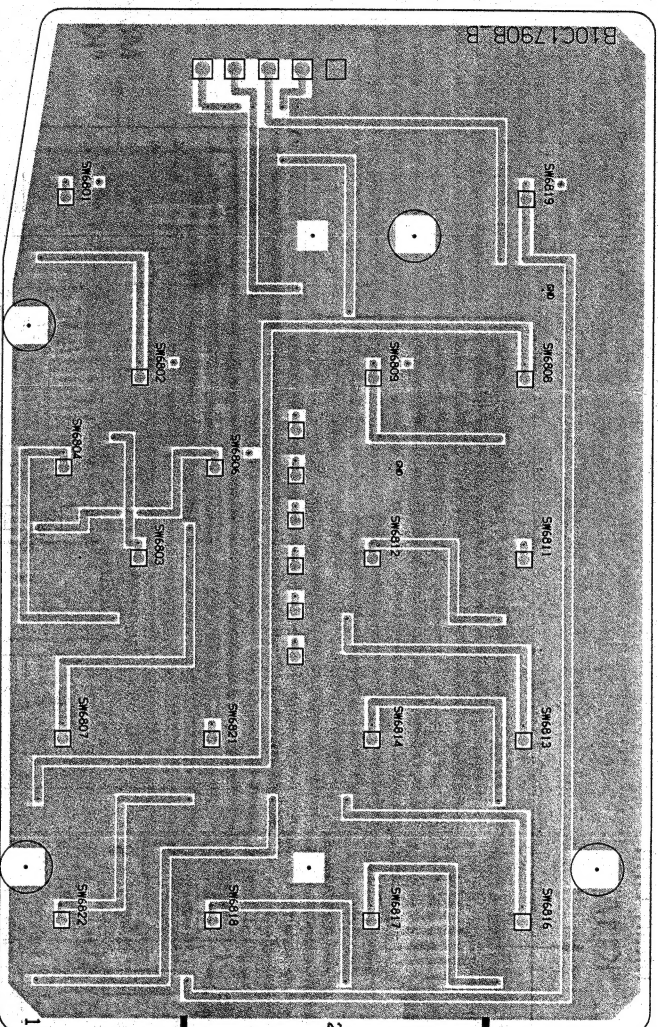
Mother Board
"K01C"

Mother Board
"K01D"

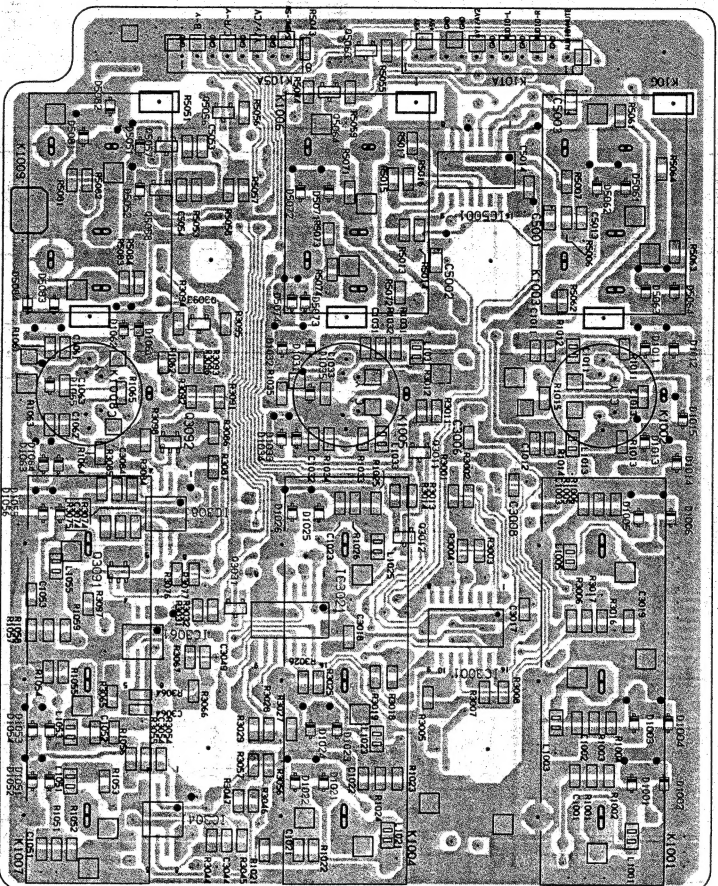
Mother Board
"K01E"

Mother Board
"K01F"

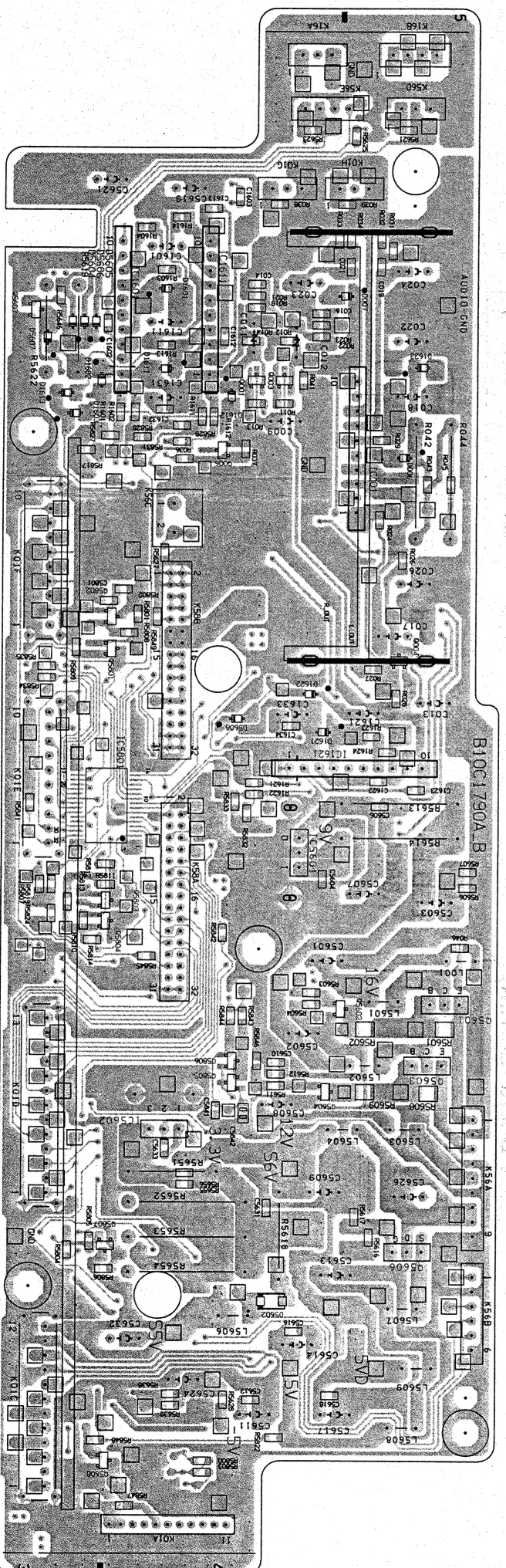
Control Board (SIDE:B)



AV Jack Board (SIDE:B)

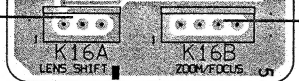


Mother Board (SIDE:B)

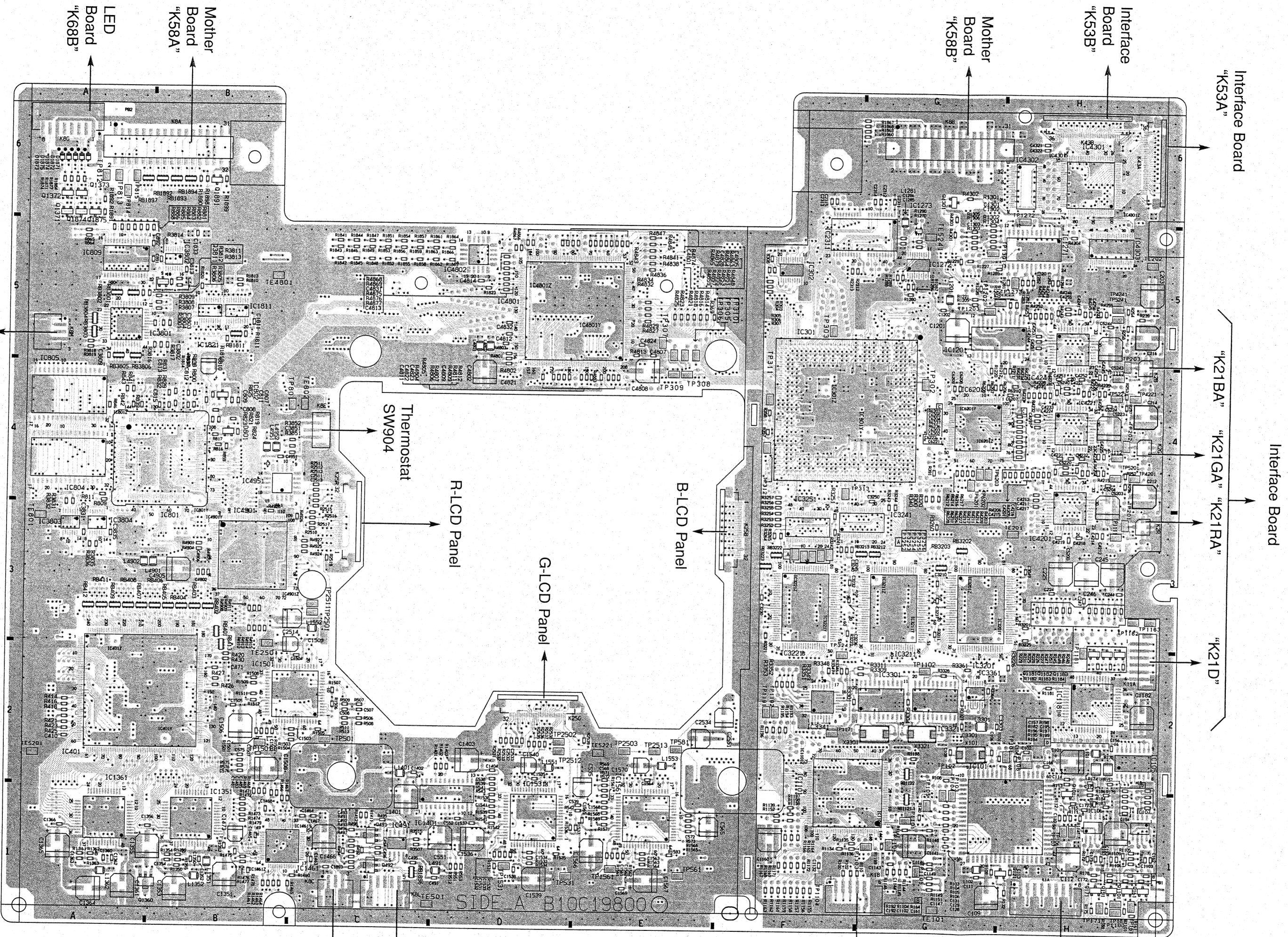


Zoom/Focus
Lens

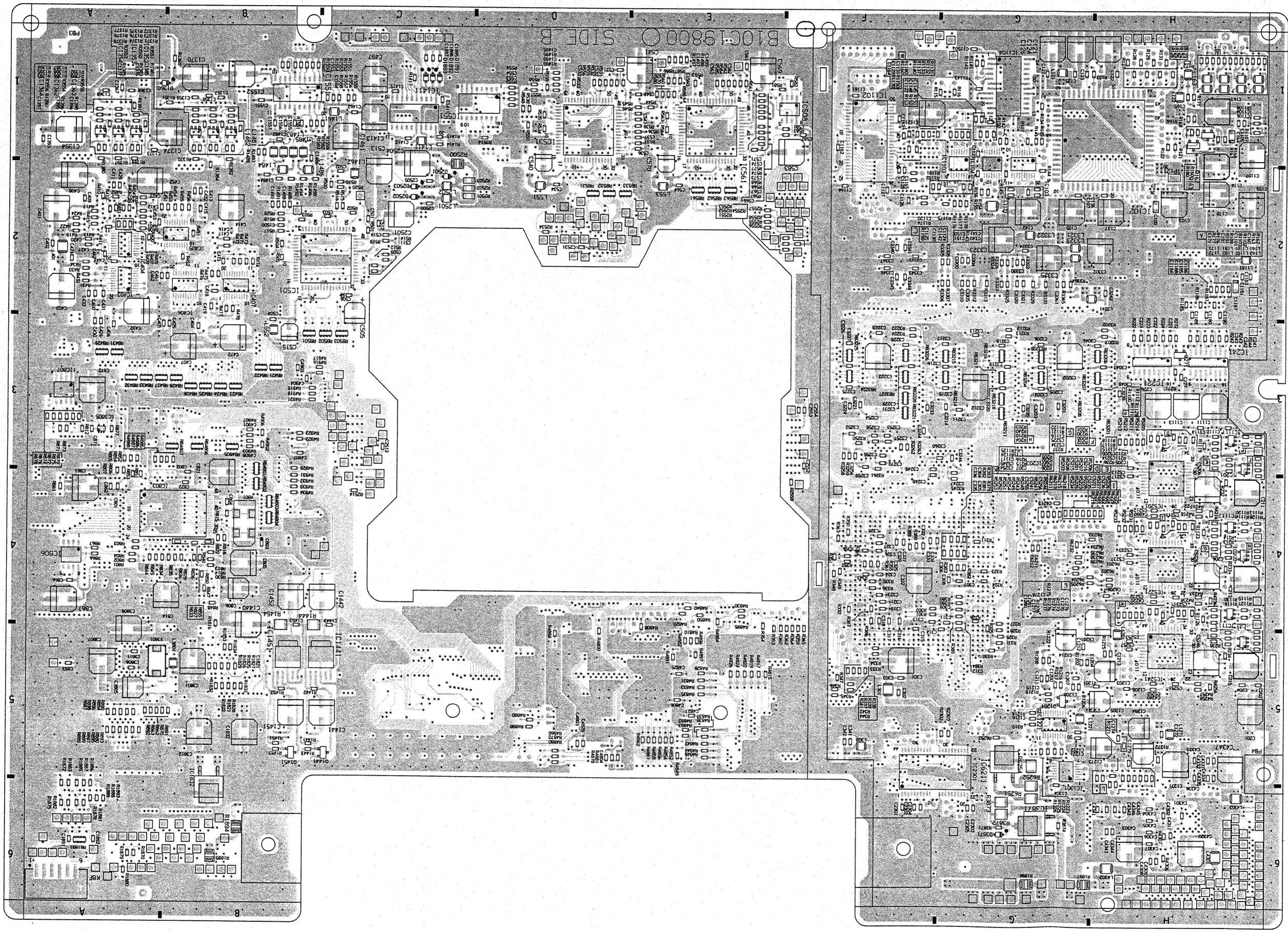
lens
shift
card



Main Board (SIDE:A)



Main Board (SIDE:B)



Video Board
"K40B"

Video Board
"K40A"

Control
Board
"K68A"
RC2
Board
"K68E"

Optical Parts List

| Key No. | Part No. | Description | Key No. | Part No. | Description |
|----------------------|--------------|----------------------------|---------|--------------|-------------------------|
| OPTICAL PARTS | | | L09 | 645 026 9028 | MIRROR (R) |
| L01 | 645 038 3922 | ASSY, PRISM | L10 | 645 035 2515 | MIRROR (COLD) |
| or | 645 038 3939 | ASSY, PRISM ME6A-M | L11 | 645 035 2676 | MIRROR (B-COLD) |
| L02 | 645 037 4708 | ASSY, PRISM (PBS) | L12 | 645 040 0032 | OPTICAL FILTER |
| or | 645 037 4715 | ASSY, PRISM (PBS) | L13 | 645 038 3809 | OPTICAL FILTER (UV CUT) |
| * L03 | 645 034 8273 | ASSY, LENS, PROJECTION | L14 | 645 038 5858 | POLARIZED GLASS (IN/R) |
| * L03-A | 645 034 8327 | MOTOR, LENS (Z, F) DC 0.3W | L15 | 645 038 5865 | POLARIZED GLASS (IN/G) |
| L04 | 645 026 9271 | LENS, RELAY (OUT) | L16 | 645 039 0449 | POLARIZED GLASS (B) |
| L05 | 645 026 9288 | LENS, RELAY (IN) | L17 | 645 035 2539 | DICHROIC MIRROR (G) |
| L06 | 645 026 9295 | LENS, CONDENSER (G) | L18 | 645 035 2690 | DICHROIC MIRROR (B) |
| L07 | 645 026 9301 | LENS, CONDENSER | | | |
| L08 | 645 026 9318 | LENS, INTEGRATOR | | | |

*) These service codes are for Model PLC-XF10E/B only.

CAUTION:

Part must be placed in specified direction when replacing the optical parts. Please see "Optical Unit Disassemblies" for further instructions.